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L1 STRUCTURE uploaded

L2 11 S L1

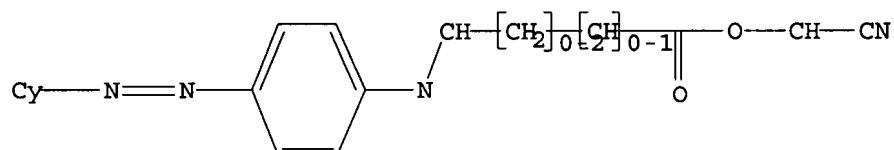
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L4 10 S L3

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L1 STR



Structure attributes must be viewed using STN Express query preparation.

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APPLICANT

10/575,599

Page 2

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005-395399 CAPLUS

DOCUMENT NUMBER: 142:412927

TITLE: Disperse azo dyestuffs, a process for their preparation and their use

INVENTOR(S): Hall, Nigel

PATENT ASSIGNEE(S): Dystar Textilfarben G.m.b.H. & Co. Deutschland K.-G., Germany

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXHD2

DOCUMENT TYPE: Patent

LANGUAGE: English

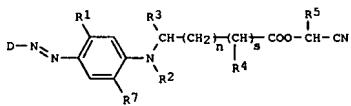
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040283	A2	20050506	WO 2004-EPI11590	20041015
WO 2005040283	A3	20050630		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, NA, SD, SL, S2, TZ, UG, ZM, ZW, AM, A2, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2543056	A1	20050506	CA 2004-2543056	20041015
EP 1678259	A2	20060712	EP 2004-790444	20041015
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CN 1871306	A	20061129	CN 2004-8003095	20041015
BR 2004015469	A	20061219	BR 2004-15469	20041015
JP 2007509214	T	20070412	JP 2006-536010	20041015
IN 2006KN00339	A	20070316	IN 2006-KN339	20060216
US 2007050928	A1	20070308	US 2006-575599	20060413
PRIORITY APPLN. INFO.:			GB 2003-24584	A 20031021
			WO 2004-EPI11590	W 20041015

OTHER SOURCE(S): CASREACT 142:412927; MARPAT 142:412927

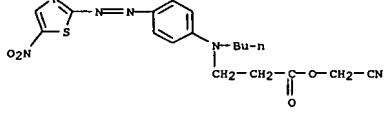
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L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 850546-64-4 CAPLUS

CN β -Alanine, N-butylyl-N-[4-((5-nitro-2-thiazolyl)azo)phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



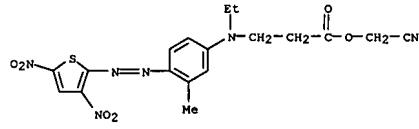
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L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

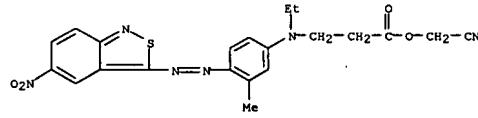
ABSTRACT: The present invention claims dyestuffs of formula (I), wherein D is substituted Ph, substituted benzothiazolyl, 5-nitro-2,1-benzisothiazolyl, substituted thiophenyl, substituted 5-nitrothiazolyl; R1 is H, (C1-C4)-alkyl or -NCOR6, where R6 is (C1-C4)-alkyl or phenyl; R2 is unsubstituted (C1-C6)-alkyl, substituted (C1-C6)-alkyl, benzyl or phenylethyl; R3 is H or Me; R4 is H or Me; R5 is H, Me or Ph; R7 is H, Cl, methoxy or ethoxy; n is 0, 1 or 2; s is 0 or 1.

Thus, 4-(4-nitrophenylazo)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonylethyl)aniline was synthesized and showed λ_{max} 486 nm and red shade with excellent wet and light fastness properties when applied to polyester fabrics.

IT 850546-37-1P, 4-(3,5-Dinitrophenylazo)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonylethyl)aniline 850546-57-5P
850546-64-4P, 4-(5-Nitrothiazolylazo)-N-butyl-N-(2-cyanomethoxycarbonylethyl)aniline
RL: IMP (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
RN 850546-37-1 CAPLUS
CN β -Alanine, N-[4-((3,5-dinitro-2-thienyl)azo)-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



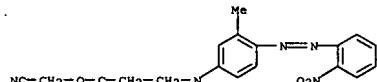
RN 850546-57-5 CAPLUS
CN β -Alanine, N-ethyl-N-[3-methyl-4-((5-nitro-2,1-benzisothiazol-3-yl)azo)phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



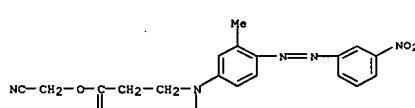
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

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850547-52-3P
RL: IMP (Industrial manufacture); PREP (Preparation)
(prep. of disperse azo dyestuffs for dyeing polyester fabrics)

RN 850545-32-3 CAPLUS
CN β -Alanine, N-ethyl-N-[3-methyl-4-((2-nitrophenyl)azo)phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

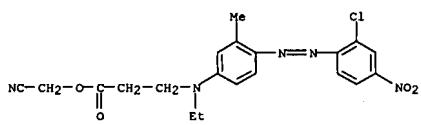


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CN β -Alanine, N-ethyl-N-[3-methyl-4-((3-nitrophenyl)azo)phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

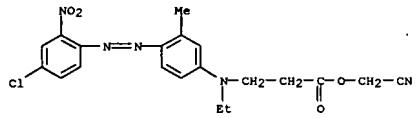


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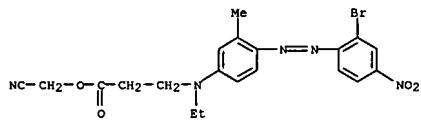
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-35-6 CAPLUS
CN β -Alanine, N-[4-(4-chloro-2-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



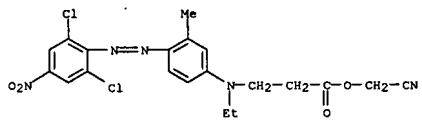
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CN β -Alanine, N-[4-(2-bromo-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



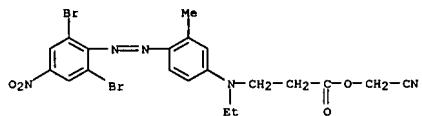
RN 850545-37-8 CAPLUS
CN β -Alanine, N-[4-(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

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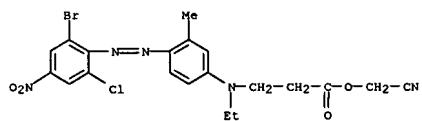
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
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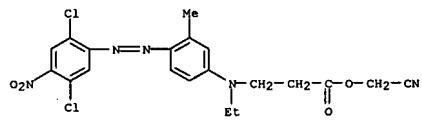
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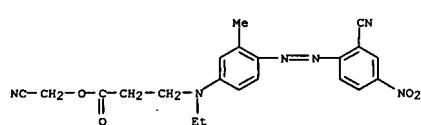
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CN β -Alanine, N-[4-(2-bromo-6-chloro-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



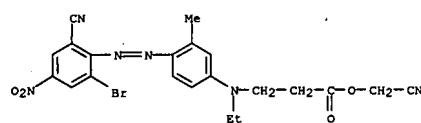
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CN β -Alanine, N-[4-(2,5-dichloro-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



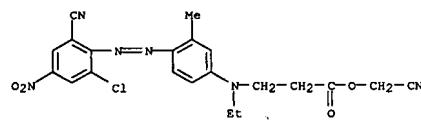
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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CN β -Alanine, N-[4-(2-cyano-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



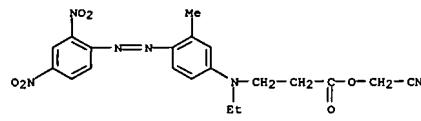
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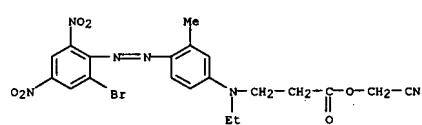
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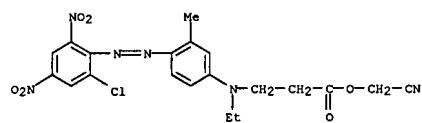
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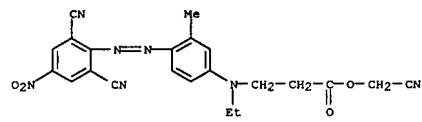
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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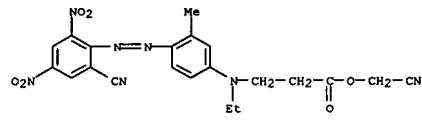
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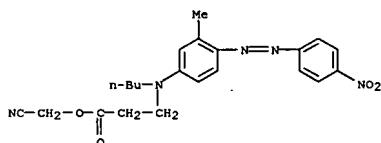
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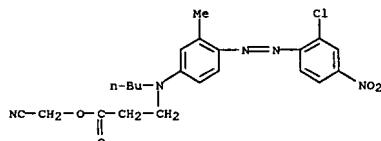
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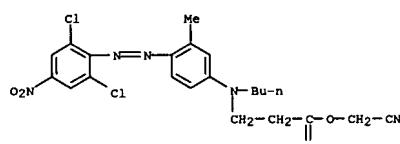
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
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 CN β -Alanine, N-butyl-N-[3-methyl-4-(4-nitrophenyl)azo]phenyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-50-5 CAPLUS
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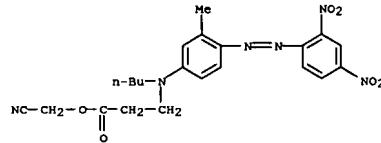


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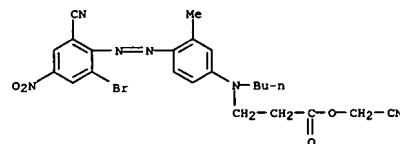


RN 850545-52-7 CAPLUS
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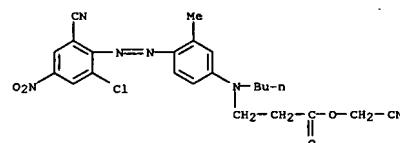
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-56-1 CAPLUS
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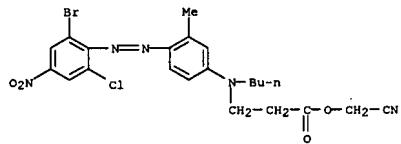


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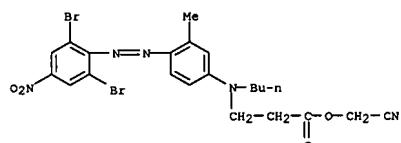


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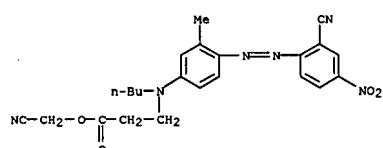
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-53-8 CAPLUS
 CN β -Alanine, N-butyl-N-[4-(2,6-dibromo-4-nitrophenyl)azo]-3-methylphenyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

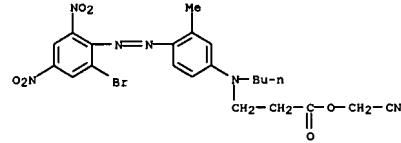


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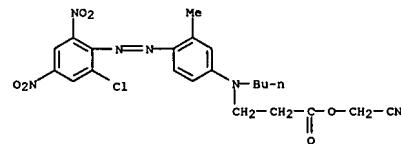


RN 850545-55-0 CAPLUS
 CN β -Alanine, N-butyl-N-[4-(2,4-dinitrophenyl)azo]-3-methylphenyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

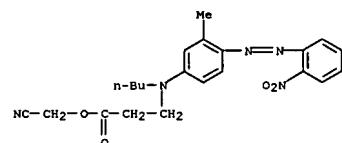
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-59-4 CAPLUS
 CN β -Alanine, N-butyl-N-[4-(2-chloro-4,6-dinitrophenyl)azo]-3-methylphenyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



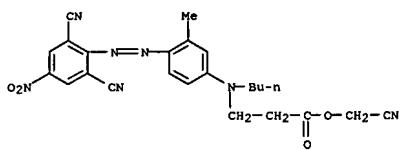
RN 850545-60-7 CAPLUS
 CN β -Alanine, N-butyl-N-[3-methyl-4-(2-nitrophenyl)azo]phenyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



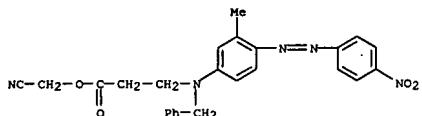
RN 850545-61-8 CAPLUS
 CN β -Alanine, N-butyl-N-[4-(2,6-dicyano-4-nitrophenyl)azo]-3-methylphenyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

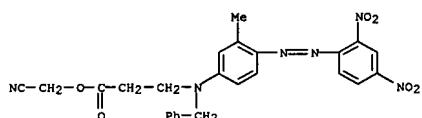
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RN 850545-62-9 CAPLUS
 CN β -Alanine, N-[3-methyl-4-[(4-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

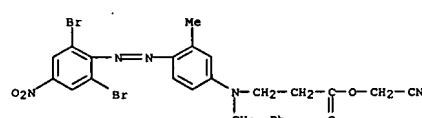


RN 850545-63-0 CAPLUS
 CN β -Alanine, N-[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

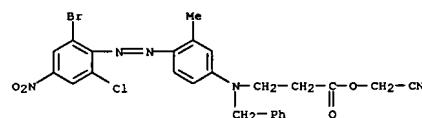


RN 850545-64-1 CAPLUS
 CN β -Alanine, N-[3-methyl-4-[(2-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

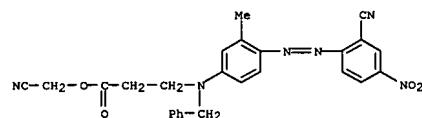
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 850545-68-5 CAPLUS
 CN β -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



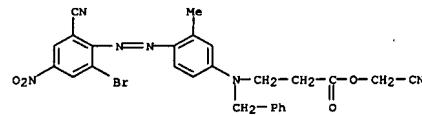
RN 850545-69-6 CAPLUS
 CN β -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-70-9 CAPLUS
 CN β -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

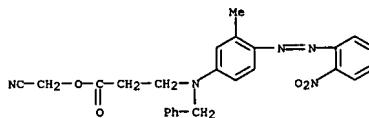


RN 850545-71-0 CAPLUS
 CN β -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

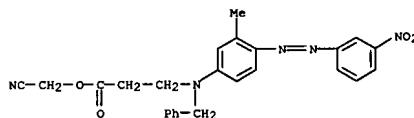


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

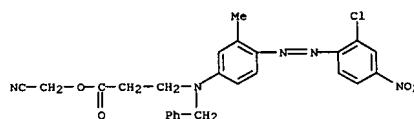
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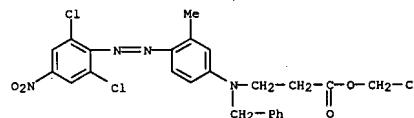
RN 850545-65-2 CAPLUS
 CN β -Alanine, N-[3-methyl-4-[(3-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



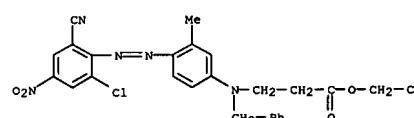
RN 850545-66-3 CAPLUS
 CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



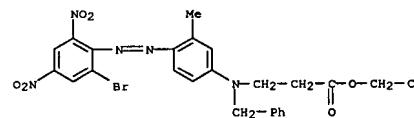
RN 850545-67-4 CAPLUS
 CN β -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



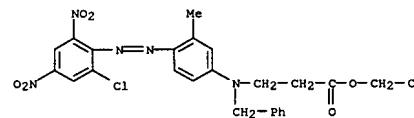
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 850545-72-1 CAPLUS
 CN β -Alanine, N-[4-[(2-chloro-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



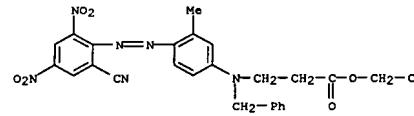
RN 850545-73-2 CAPLUS
 CN β -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



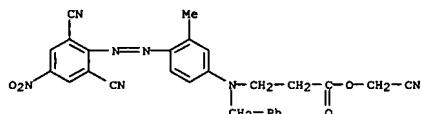
RN 850545-74-3 CAPLUS
 CN β -Alanine, N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



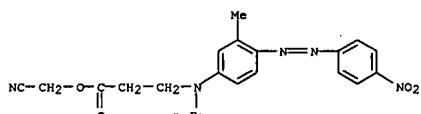
RN 850545-75-4 CAPLUS
 CN β -Alanine, N-[4-[(2-cyano-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



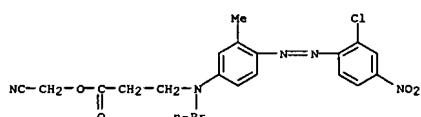
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 850545-76-5 CAPLUS
CN β -Alanine, N-[4-[(2,6-dicyano-4-nitrophenyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-77-6 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(4-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



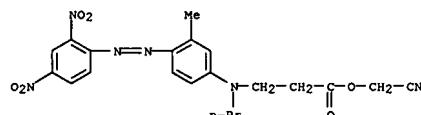
RN 850545-78-7 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



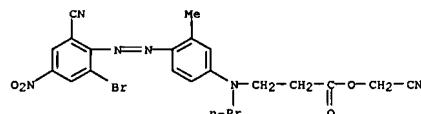
RN 850545-79-8 CAPLUS
CN β -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



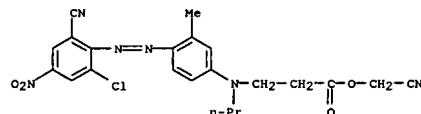
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 850545-83-4 CAPLUS
CN β -Alanine, N-[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



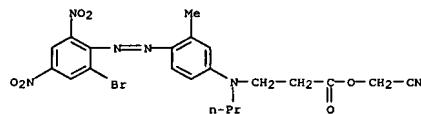
RN 850545-84-5 CAPLUS
CN β -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



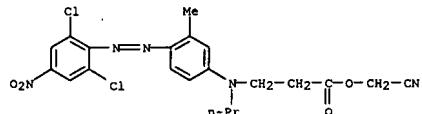
RN 850545-85-6 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



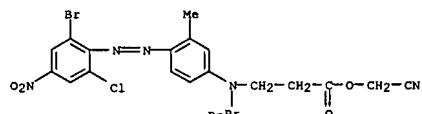
RN 850545-86-7 CAPLUS
CN β -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



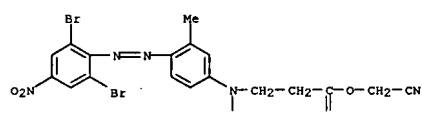
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



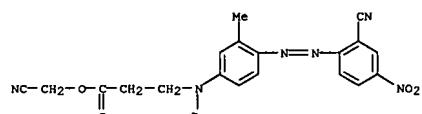
RN 850545-80-1 CAPLUS
CN β -Alanine, N-[4-[(2-bromo-6-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



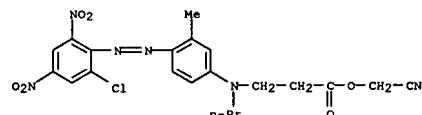
RN 850545-81-2 CAPLUS
CN β -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



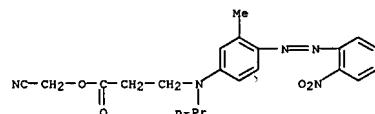
RN 850545-82-3 CAPLUS
CN β -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



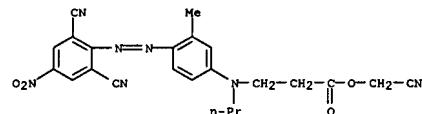
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 850545-87-8 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



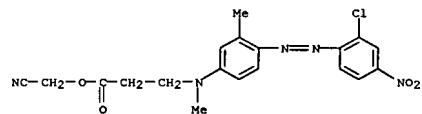
RN 850545-88-9 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(2-nitrophenyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



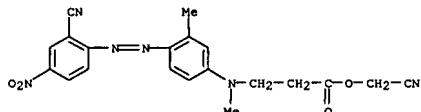
RN 850545-89-0 CAPLUS
CN β -Alanine, N-[4-[(2,6-dicyano-4-nitrophenyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



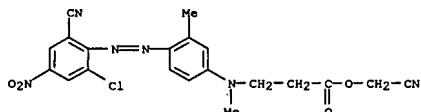
RN 850545-90-3 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



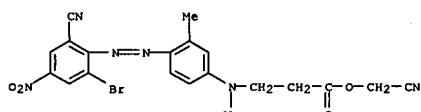
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 850545-91-4 CAPLUS
 CN β -Alanine, N-[4-((2-cyano-4-nitrophenyl)azo)-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850545-92-5 CAPLUS
 CN β -Alanine, N-[4-((2-chloro-6-cyano-4-nitrophenyl)azo)-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

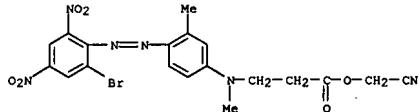


RN 850545-93-6 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-6-cyano-4-nitrophenyl)azo)-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

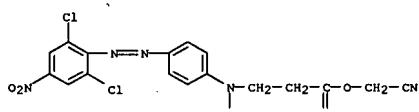


RN 850545-94-7 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-4,6-dinitrophenyl)azo)-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

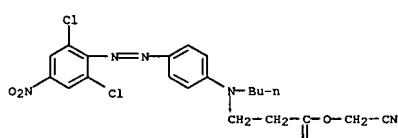
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850545-96-9 CAPLUS
 CN β -Alanine, N-[4-((2,6-dichloro-4-nitrophenyl)azo)phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

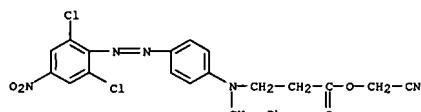


RN 850545-97-0 CAPLUS
 CN β -Alanine, N-butyl-N-[4-((2,6-dichloro-4-nitrophenyl)azo)phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

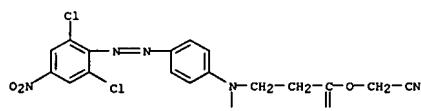


RN 850545-98-1 CAPLUS
 CN β -Alanine, N-[4-((2,6-dichloro-4-nitrophenyl)azo)phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

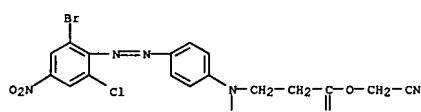
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



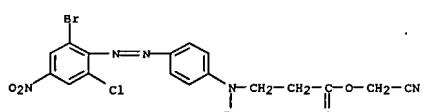
RN 850545-99-2 CAPLUS
 CN β -Alanine, N-[4-((2,6-dichloro-4-nitrophenyl)azo)phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-00-8 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-6-chloro-4-nitrophenyl)azo)phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

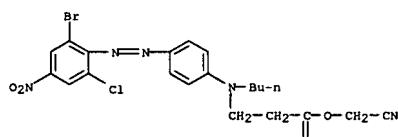


RN 850546-01-9 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-6-chloro-4-nitrophenyl)azo)phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

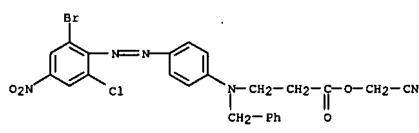


RN 850546-02-0 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-6-chloro-4-nitrophenyl)azo)phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

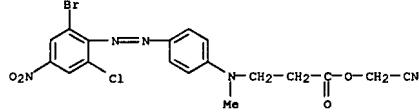
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



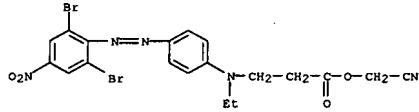
RN 850546-03-1 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-6-chloro-4-nitrophenyl)azo)phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-04-2 CAPLUS
 CN β -Alanine, N-[4-((2-bromo-6-chloro-4-nitrophenyl)azo)phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

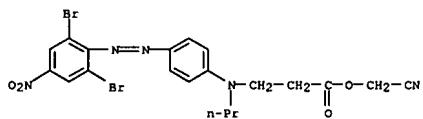


RN 850546-05-3 CAPLUS
 CN β -Alanine, N-[4-((2,6-dibromo-4-nitrophenyl)azo)phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

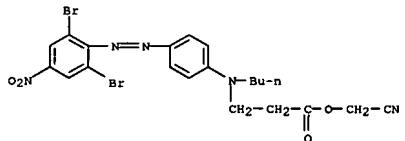


RN 850546-06-4 CAPLUS
 CN β -Alanine, N-[4-((2,6-dibromo-4-nitrophenyl)azo)phenyl]-N-propyl-,

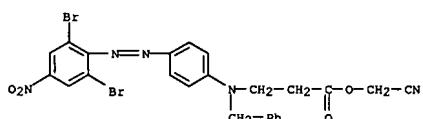
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-07-5 CAPLUS
CN β -Alanine, N-butyl-N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

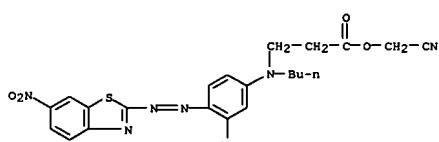


RN 850546-08-6 CAPLUS
CN β -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

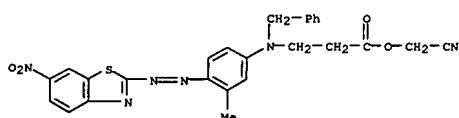


RN 850546-09-7 CAPLUS
CN β -Alanine, N-[4-[(2,6-dibromo-4-nitrophenyl)azo]phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

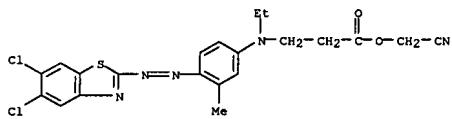
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 850546-14-4 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-15-5 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

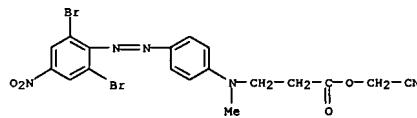


RN 850546-16-6 CAPLUS
CN β -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

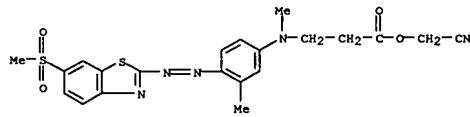


RN 850546-17-7 CAPLUS
CN β -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

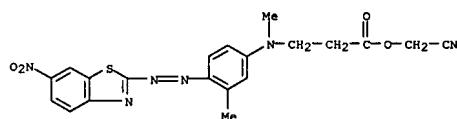
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



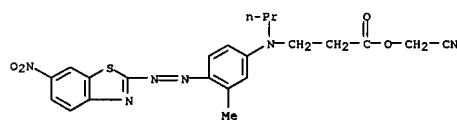
RN 850546-11-1 CAPLUS
CN β -Alanine, N-methyl-N-[3-methyl-4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-12-2 CAPLUS
CN β -Alanine, N-methyl-N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

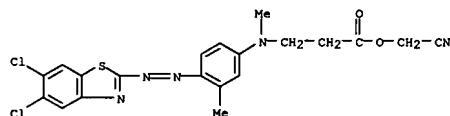


RN 850546-13-3 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

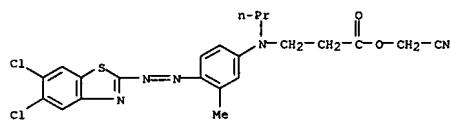


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
RN 850546-18-8 CAPLUS
CN β -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

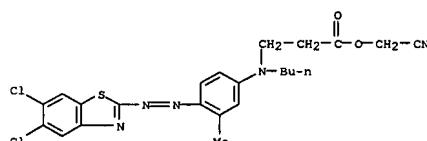
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



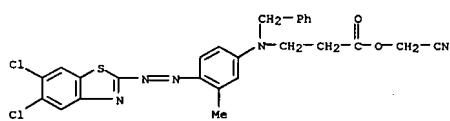
RN 850546-18-8 CAPLUS
CN β -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-19-9 CAPLUS
CN β -Alanine, N-butyl-N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

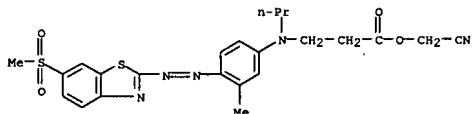


RN 850546-20-2 CAPLUS
CN β -Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

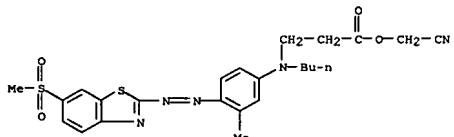


RN 850546-21-3 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(6-(methylsulfonyl)-2-

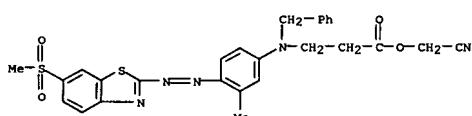
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
benzothiazolyl)azo]phenyl)-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-22-4 CAPLUS
CN β-Alanine, N-butyl-N-[3-methyl-4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

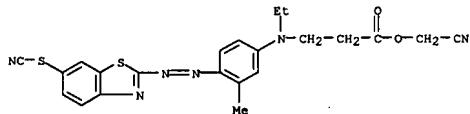


RN 850546-23-5 CAPLUS
CN β-Alanine, N-[3-methyl-4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

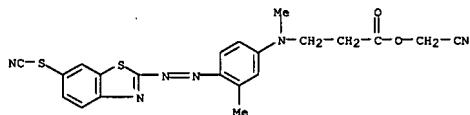


RN 850546-24-6 CAPLUS
CN β-Alanine, N-ethyl-N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

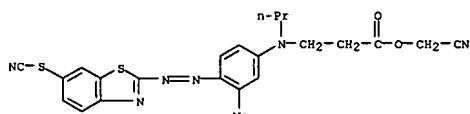
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-25-7 CAPLUS
CN β-Alanine, N-methyl-N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

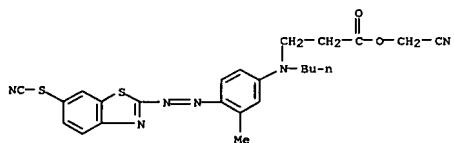


RN 850546-26-8 CAPLUS
CN β-Alanine, N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

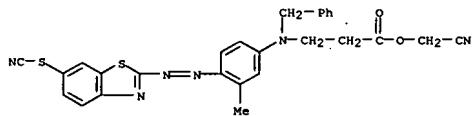


RN 850546-27-9 CAPLUS
CN β-Alanine, N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

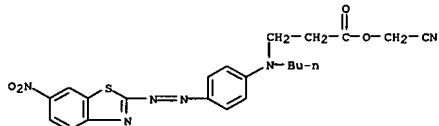
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



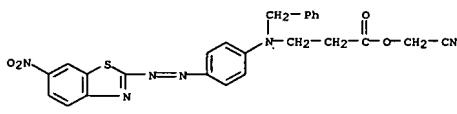
RN 850546-28-0 CAPLUS
CN β-Alanine, N-[3-methyl-4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-29-1 CAPLUS
CN β-Alanine, N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

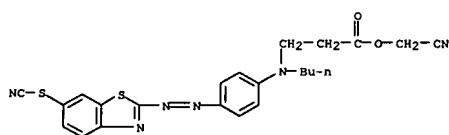


RN 850546-30-4 CAPLUS
CN β-Alanine, N-[4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

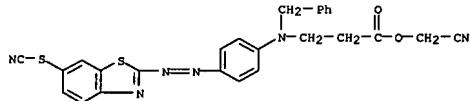


RN 850546-31-5 CAPLUS
CN β-Alanine, N-butyl-N-[4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-

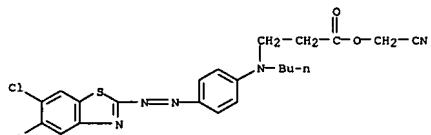
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
, cyanomethyl ester (9CI) (CA INDEX NAME)



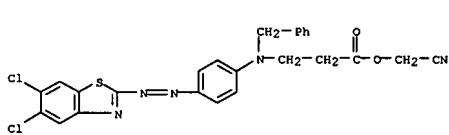
RN 850546-32-6 CAPLUS
CN β-Alanine, N-(phenylmethyl)-N-[4-[(6-thiocyanato-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



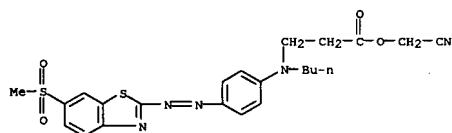
RN 850546-33-7 CAPLUS
CN β-Alanine, N-butyl-N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



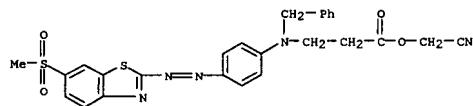
RN 850546-34-8 CAPLUS
CN β-Alanine, N-[4-[(5,6-dichloro-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



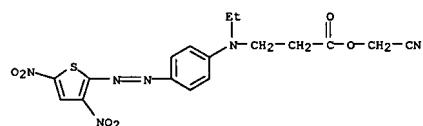
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 850546-35-9 CAPLUS
 CN β -Alanine, N-butyl-N-[4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-36-0 CAPLUS
 CN β -Alanine, N-[4-[(6-(methylsulfonyl)-2-benzothiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

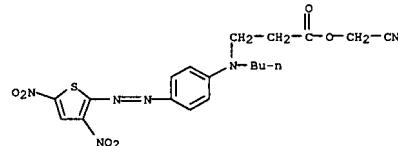


RN 850546-38-2 CAPLUS
 CN β -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

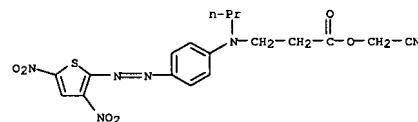


RN 850546-39-3 CAPLUS
 CN β -Alanine, N-butyl-N-[4-[(3,5-dinitro-2-thienyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

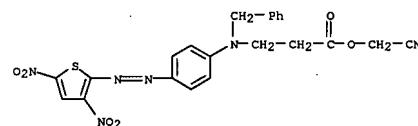
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-40-6 CAPLUS
 CN β -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

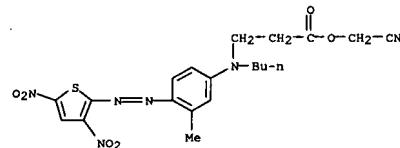


RN 850546-41-7 CAPLUS
 CN β -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

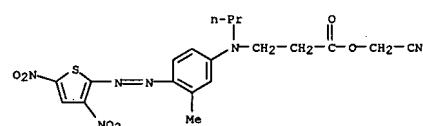


RN 850546-42-8 CAPLUS
 CN β -Alanine, N-butyl-N-[4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

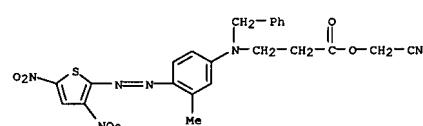
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-43-9 CAPLUS
 CN β -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

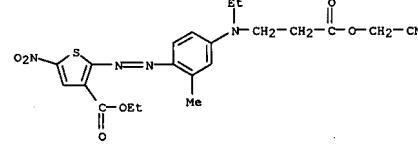


RN 850546-44-0 CAPLUS
 CN β -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

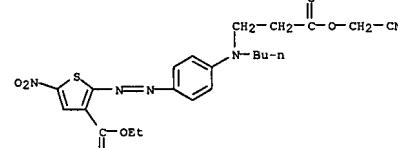


RN 850546-45-1 CAPLUS
 CN 3-Thiophenecarboxylic acid, 2-[[4-[(3-(cyanomethoxy)-3-oxopropyl)amino]2-methylphenyl]azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)

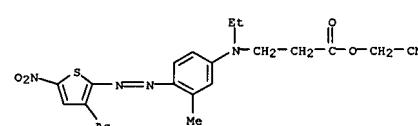
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-46-2 CAPLUS
 CN 3-Thiophenecarboxylic acid, 2-[[4-[(butyl[3-(cyanomethoxy)-3-oxopropyl]amino)phenyl]azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)



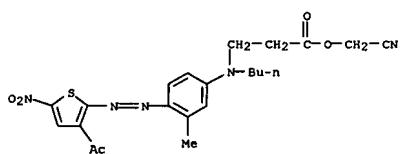
RN 850546-47-3 CAPLUS
 CN β -Alanine, N-[4-[(3-acetyl-5-nitro-2-thienyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



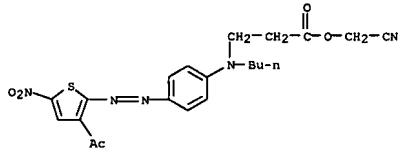
RN 850546-48-4 CAPLUS
 CN β -Alanine, N-[4-[(3-acetyl-5-nitro-2-thienyl)azo]-3-methylphenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

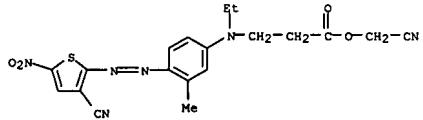
(Continued)



RN 850546-49-5 CAPLUS
CN β -Alanine, N-[4-[(3-acetyl-5-nitro-2-thienyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



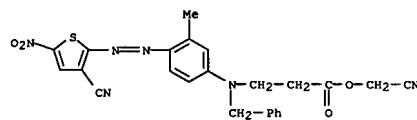
RN 850546-50-8 CAPLUS
CN β -Alanine, N-[4-[(3-cyano-5-nitro-2-thienyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



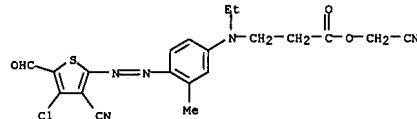
RN 850546-51-9 CAPLUS
CN β -Alanine, N-[4-[(3-cyano-5-nitro-2-thienyl)azo]-3-methylphenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

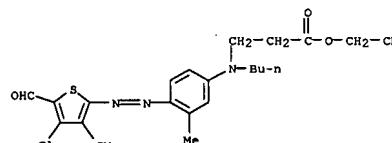
(Continued)



RN 850546-52-0 CAPLUS
CN β -Alanine, N-[4-[(4-chloro-3-cyano-5-formyl-2-thienyl)azo]-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



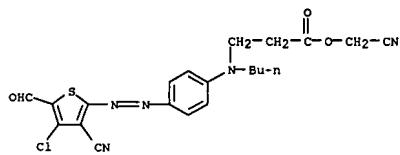
RN 850546-53-1 CAPLUS
CN β -Alanine, N-butyl-N-[4-[(4-chloro-3-cyano-5-formyl-2-thienyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



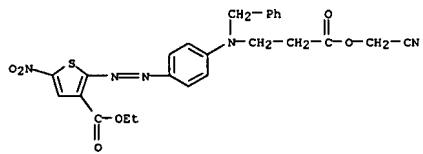
RN 850546-54-2 CAPLUS
CN β -Alanine, N-butyl-N-[4-[(4-chloro-3-cyano-5-formyl-2-thienyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

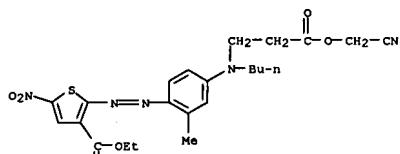
(Continued)



RN 850546-55-3 CAPLUS
CN 3-Thiophenecarboxylic acid, 2-[(4-[(3-(cyanomethoxy)-3-oxopropyl)(phenylmethyl)amino]phenyl)azo]-5-nitro-, ethyl ester (9CI)
(CA INDEX NAME)



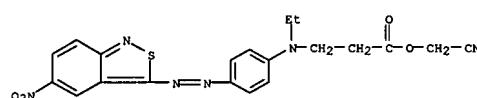
RN 850546-56-4 CAPLUS
CN 3-Thiophenecarboxylic acid, 2-[(4-[butyl[3-(cyanomethoxy)-3-oxopropyl]amino]-2-methylphenyl)azo]-5-nitro-, ethyl ester (9CI) (CA INDEX NAME)



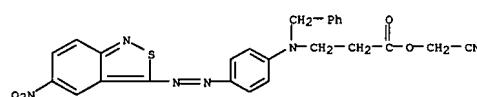
RN 850546-58-6 CAPLUS
CN β -Alanine, N-ethyl-N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

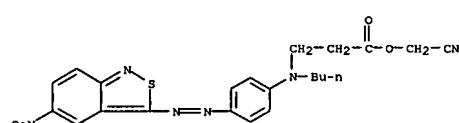
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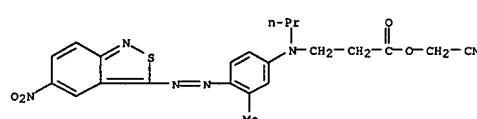
RN 850546-59-7 CAPLUS
CN β -Alanine, N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-60-0 CAPLUS
CN β -Alanine, N-butyl-N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

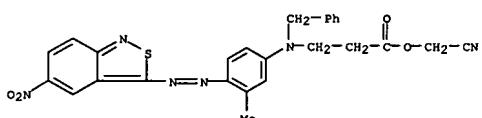


RN 850546-61-1 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-N-propyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

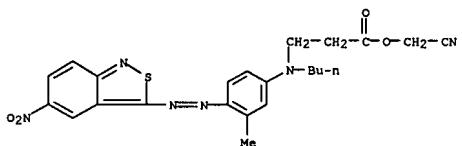


RN 850546-62-2 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

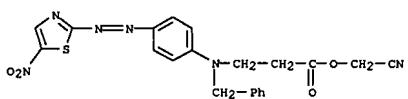
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



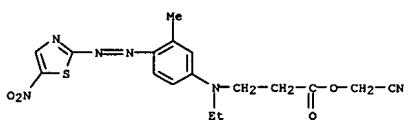
RN 850546-63-3 CAPLUS
CN β -Alanine, N-butyl-N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



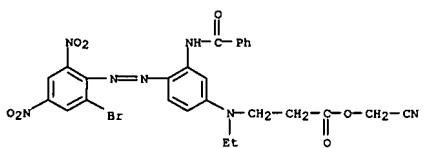
RN 850546-65-5 CAPLUS
CN β -Alanine, N-[4-[(5-nitro-2-thiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



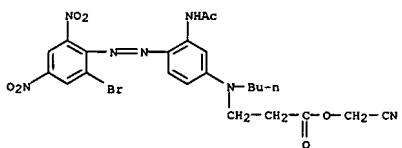
RN 850546-66-6 CAPLUS
CN β -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



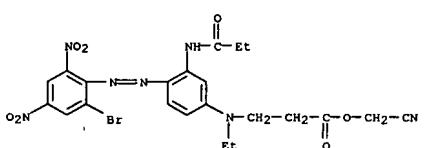
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-72-4 CAPLUS
CN β -Alanine, N-[3-(acetylamo)-4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



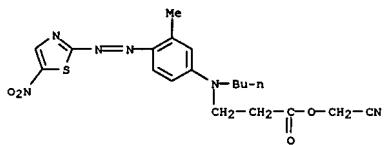
RN 850546-73-5 CAPLUS
CN β -Alanine, N-[4-[(2-bromo-4,6-dinitrophenyl)azo]-3-[(1-oxopropyl)amino]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



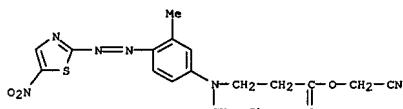
RN 850546-74-6 CAPLUS
CN β -Alanine, N-(5-(acetylamo)-4-[(2-bromo-4,6-dinitrophenyl)azo]-2-methoxyphenyl)-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

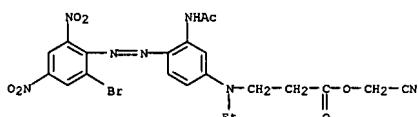
RN 850546-67-7 CAPLUS
CN β -Alanine, N-butyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-68-8 CAPLUS
CN β -Alanine, N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-N-(phenylmethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

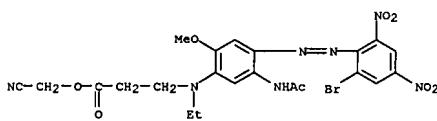


RN 850546-70-2 CAPLUS
CN β -Alanine, N-[3-(acetylamo)-4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

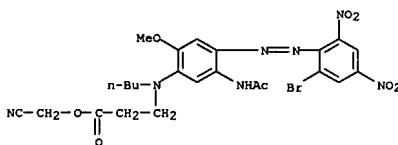


RN 850546-71-3 CAPLUS
CN β -Alanine, N-[3-(benzoylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

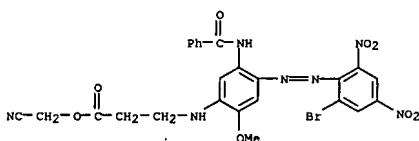
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850546-75-7 CAPLUS
CN β -Alanine, N-[5-(acetylamo)-4-[(2-bromo-4,6-dinitrophenyl)azo]-2-methoxyphenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



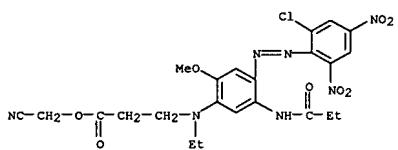
RN 850546-76-8 CAPLUS
CN β -Alanine, N-[5-(benzoylamino)-4-[(2-bromo-4,6-dinitrophenyl)azo]-2-methoxyphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



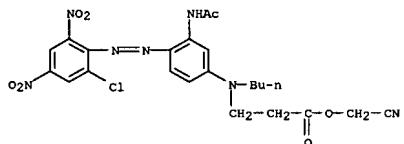
RN 850546-77-9 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4,6-dinitrophenyl)azo]-2-methoxy-5-[(1-oxopropyl)amino]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

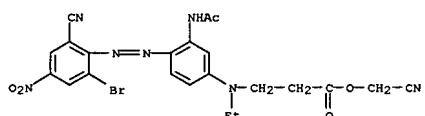
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RN 850546-78-0 CAPLUS
CN β -Alanine, N-[3-(acetylamino)-4-[(2-chloro-4,6-dinitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

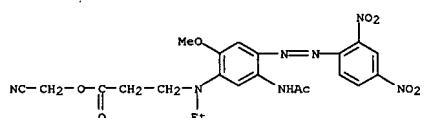


RN 850546-79-1 CAPLUS
CN β -Alanine, N-[3-(acetylamino)-4-[(2-bromo-6-cyano-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

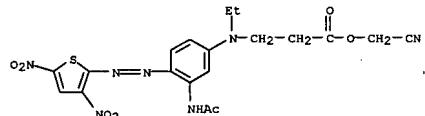


RN 850546-80-4 CAPLUS
CN β -Alanine, N-[3-(acetylamino)-4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-butyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

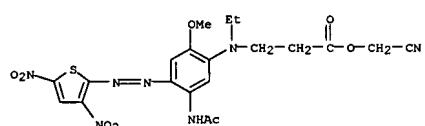
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



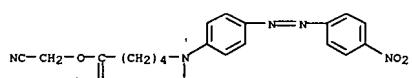
RN 850546-84-8 CAPLUS
CN β -Alanine, N-[3-(acetylamino)-4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-85-9 CAPLUS
CN β -Alanine, N-[5-(acetylamino)-4-[(3,5-dinitro-2-thienyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



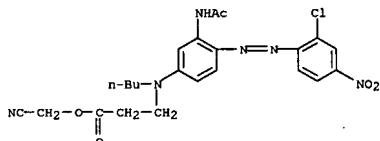
RN 850546-87-1 CAPLUS
CN Pentanoic acid, 5-[ethyl[4-((4-nitrophenyl)azo)phenyl]amino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



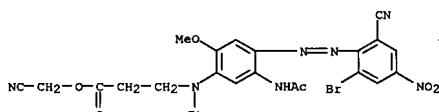
RN 850546-88-2 CAPLUS
CN Butanoic acid, 4-[ethyl[4-((4-nitrophenyl)azo)phenyl]amino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

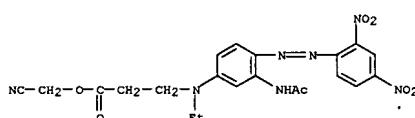
(Continued)



RN 850546-81-5 CAPLUS
CN β -Alanine, N-[5-(acetylamino)-4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



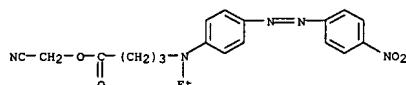
RN 850546-82-6 CAPLUS
CN β -Alanine, N-[3-(acetylamino)-4-[(2,4-dinitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



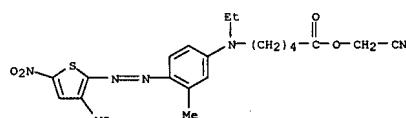
RN 850546-83-7 CAPLUS
CN β -Alanine, N-[5-(acetylamino)-4-[(2,4-dinitrophenyl)azo]-2-methoxyphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

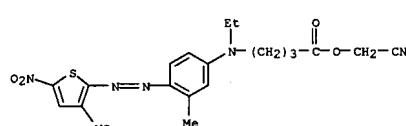
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



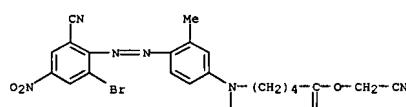
RN 850546-89-3 CAPLUS
CN Pentanoic acid, 5-[(4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl)ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-90-6 CAPLUS
CN Butanoic acid, 4-[(4-[(3,5-dinitro-2-thienyl)azo]-3-methylphenyl)ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



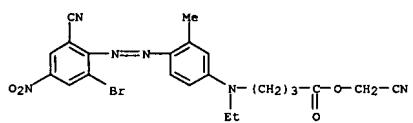
RN 850546-91-7 CAPLUS
CN Pentanoic acid, 5-[(4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



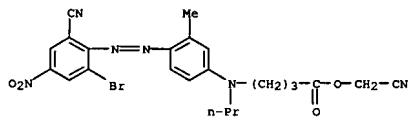
RN 850546-92-8 CAPLUS
CN Butanoic acid, 4-[(4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

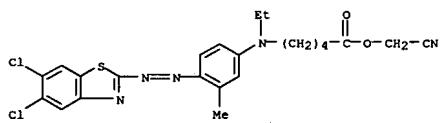
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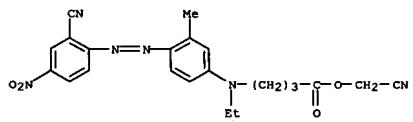
RN 850546-93-9 CAPLUS
CN Butanoic acid, 4-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]propylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)



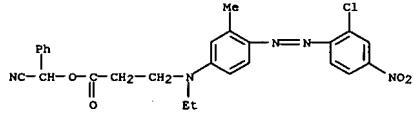
RN 850546-94-0 CAPLUS
CN Pentanoic acid, 5-[4-[(5,6-dichloro-2-benzothiazolyl)azo]-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)



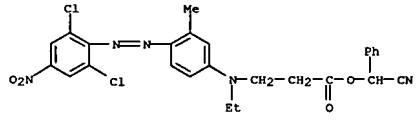
RN 850546-95-1 CAPLUS
CN Butanoic acid, 4-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)



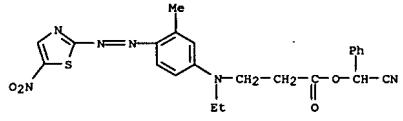
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



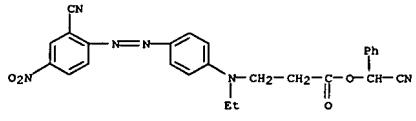
RN 850547-01-2 CAPLUS
CN β -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)



RN 850547-02-3 CAPLUS
CN β -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)



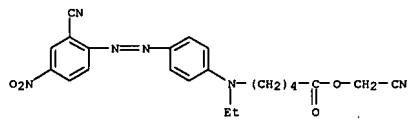
RN 850547-03-4 CAPLUS
CN β -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)



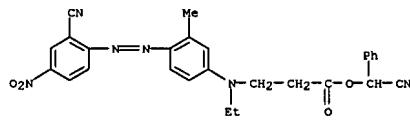
RN 850547-04-5 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

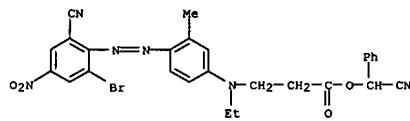
RN 850546-96-2 CAPLUS
CN Pentanoic acid, 5-[4-[(2-cyano-4-nitrophenyl)azo]phenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-98-4 CAPLUS
CN β -Alanine, N-4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

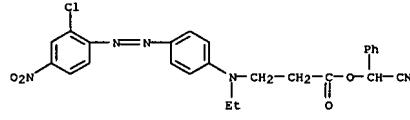


RN 850546-99-5 CAPLUS
CN β -Alanine, N-4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

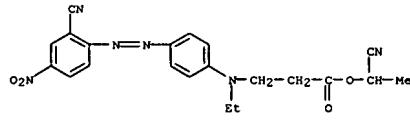


RN 850547-00-1 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, cyanophenylmethyl ester (9CI) (CA INDEX NAME)

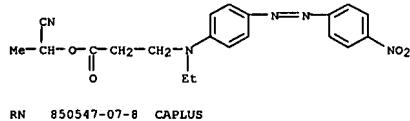
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



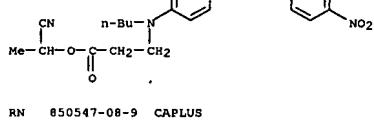
RN 850547-05-6 CAPLUS
CN β -Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-06-7 CAPLUS
CN β -Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



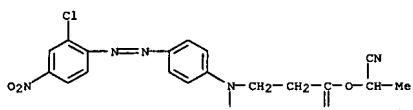
RN 850547-07-8 CAPLUS
CN β -Alanine, N-butyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



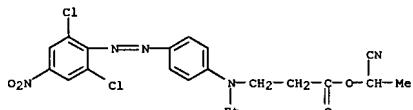
RN 850547-08-9 CAPLUS
CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

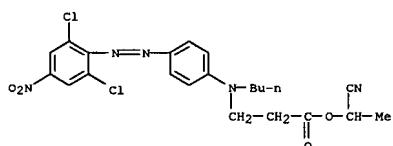
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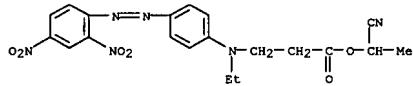
RN 850547-09-0 CAPLUS
 CN β -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



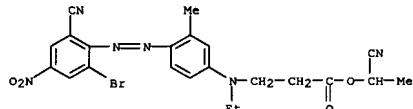
RN 850547-10-3 CAPLUS
 CN β -Alanine, N-butyl-N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



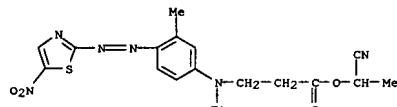
RN 850547-11-4 CAPLUS
 CN β -Alanine, N-[4-[(2,4-dinitrophenyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



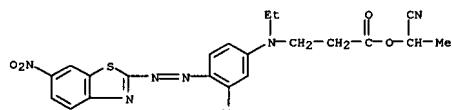
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



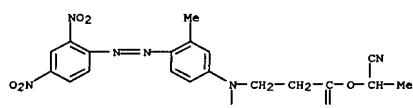
RN 850547-16-9 CAPLUS
 CN β -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-17-0 CAPLUS
 CN β -Alanine, N-ethyl-N-[3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

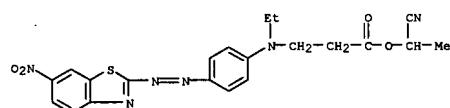


RN 850547-18-1 CAPLUS
 CN β -Alanine, N-[4-[(2,4-dinitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

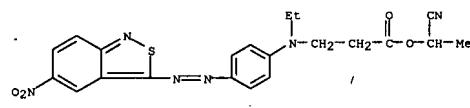


RN 850547-19-2 CAPLUS
 CN β -Alanine, N-ethyl-N-[3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

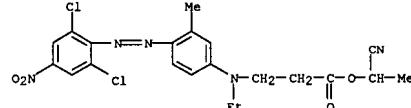
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 850547-12-5 CAPLUS
 CN β -Alanine, N-ethyl-N-[4-[(6-nitro-2-benzothiazolyl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-13-6 CAPLUS
 CN β -Alanine, N-ethyl-N-[4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl]-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



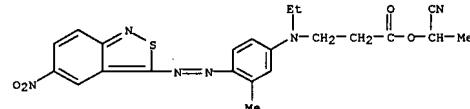
RN 850547-14-7 CAPLUS
 CN β -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



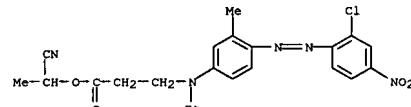
RN 850547-15-8 CAPLUS
 CN β -Alanine, N-[4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

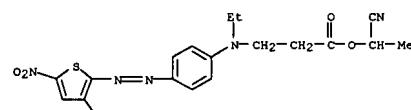
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



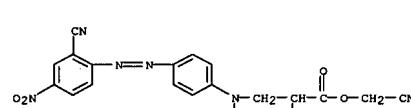
RN 850547-20-5 CAPLUS
 CN β -Alanine, N-[4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-21-6 CAPLUS
 CN β -Alanine, N-[4-[(3,5-dinitro-2-thienyl)azo]phenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



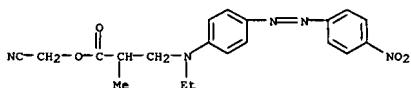
RN 850547-23-8 CAPLUS
 CN Propionic acid, 3-[(4-[(2-cyano-4-nitrophenyl)azo]phenyl)ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-24-9 CAPLUS
 CN Propionic acid, 3-[ethyl[4-[(4-nitrophenyl)azo]phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

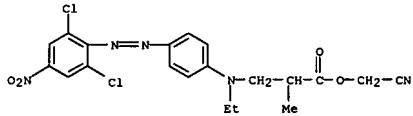
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)



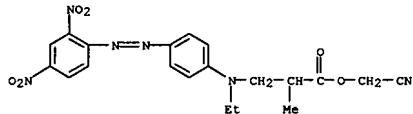
RN 850547-25-0 CAPLUS

CN Propanoic acid, 3-[{4-(2,6-dichloro-4-nitrophenyl)azo}phenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



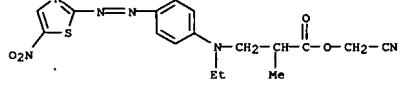
RN 850547-26-1 CAPLUS

CN Propanoic acid, 3-[{4-(2,4-dinitrophenyl)azo}phenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



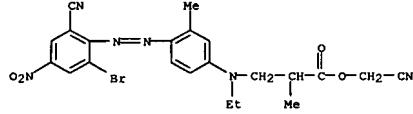
RN 850547-27-2 CAPLUS

CN Propanoic acid, 3-[ethyl[4-((5-nitro-2-thiazolyl)azo)phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



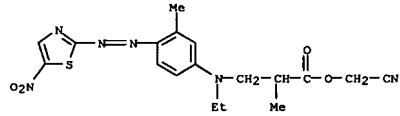
RN 850547-28-3 CAPLUS

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



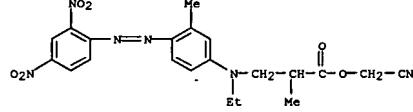
RN 850547-32-9 CAPLUS

CN Propanoic acid, 3-[ethyl(3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl)amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



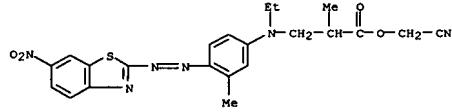
RN 850547-33-0 CAPLUS

CN Propanoic acid, 3-[{4-(2,4-dinitrophenyl)azo}-3-methylphenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

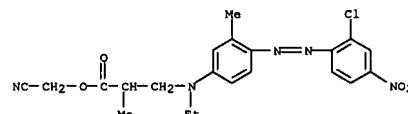
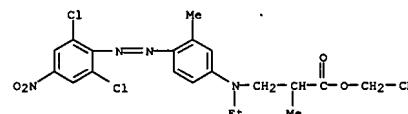
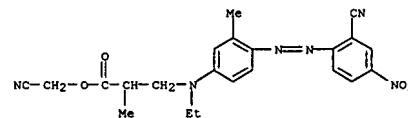


RN 850547-34-1 CAPLUS

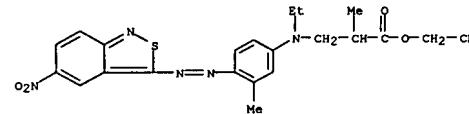
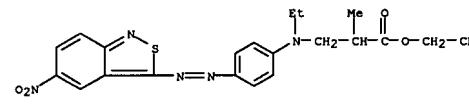
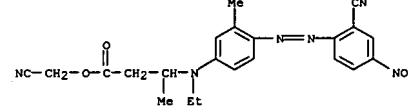
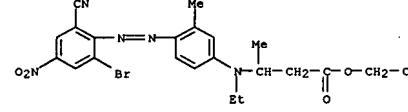
CN Propanoic acid, 3-[ethyl(3-methyl-4-[(6-nitro-2-benzothiazolyl)azo]phenyl)amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



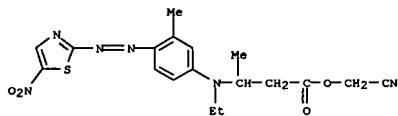
RN 850547-35-2 CAPLUS

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Propanoic acid, 3-[{4-(2-chloro-4-nitrophenyl)azo}-3-methylphenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-29-4 CAPLUS
CN Propanoic acid, 3-[{4-(2,6-dichloro-4-nitrophenyl)azo}-3-methylphenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-30-7 CAPLUS
CN Propanoic acid, 3-[{4-(2-cyano-4-nitrophenyl)azo}-3-methylphenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-31-8 CAPLUS
CN Propanoic acid, 3-[{4-(2-bromo-6-cyano-4-nitrophenyl)azo}-3-methylphenyl]ethylamino-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

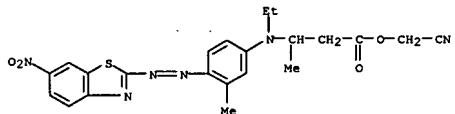
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Propanoic acid, 3-[ethyl(3-methyl-4-[(5-nitro-2,1-benzisothiazol-3-yl)azo]phenyl)amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-36-3 CAPLUS
CN Propanoic acid, 3-[ethyl[4-((5-nitro-2,1-benzisothiazol-3-yl)azo)phenyl]amino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-37-4 CAPLUS
CN Butanoic acid, 3-[{4-(2-cyano-4-nitrophenyl)azo}-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-38-5 CAPLUS
CN Butanoic acid, 3-[{4-(2-bromo-6-cyano-4-nitrophenyl)azo}-3-methylphenyl]ethylamino-, cyanomethyl ester (9CI) (CA INDEX NAME)RN 850547-39-6 CAPLUS
CN Butanoic acid, 3-[ethyl(3-methyl-4-[(5-nitro-2-thiazolyl)azo]phenyl)amino]-

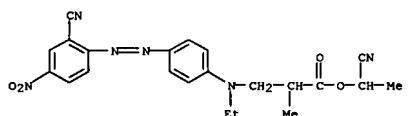
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850547-40-9 CAPLUS
CN Butanoic acid, 3-[ethyl[3-methyl-4-[(6-nitro-2-benzothiazoyl)azo]phenyl]amino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

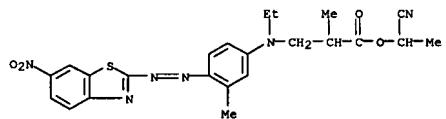


RN 850547-42-1 CAPLUS
CN Propanoic acid, 3-[(4-[(2-cyano-4-nitrophenyl)azo]phenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

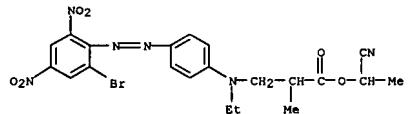


RN 850547-43-2 CAPLUS
CN Propanoic acid, 3-[(4-[(2-chloro-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

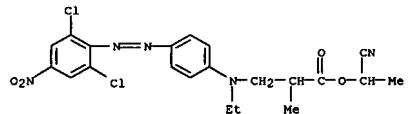
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



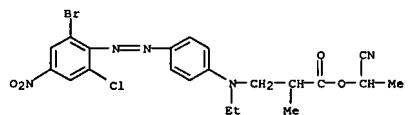
RN 850547-47-6 CAPLUS
CN Propanoic acid, 3-[(4-[(2-bromo-4,6-dinitrophenyl)azo]phenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-48-7 CAPLUS
CN Propanoic acid, 3-[(4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



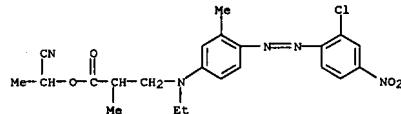
RN 850547-49-8 CAPLUS
CN Propanoic acid, 3-[(4-[(2-bromo-6-chloro-4-nitrophenyl)azo]phenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



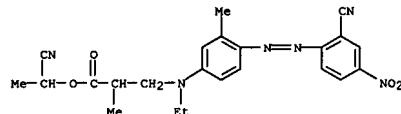
RN 850547-50-1 CAPLUS

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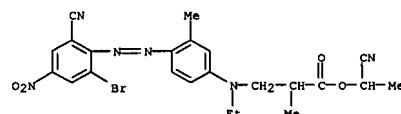
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 850547-44-3 CAPLUS
CN Propanoic acid, 3-[(4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

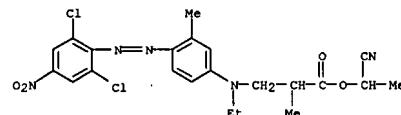


RN 850547-45-4 CAPLUS
CN Propanoic acid, 3-[(4-[(2-bromo-6-cyano-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

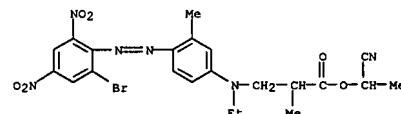


RN 850547-46-5 CAPLUS
CN Propanoic acid, 3-[(ethyl[3-methyl-4-[(6-nitro-2-benzothiazoyl)azo]phenyl]amino)-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

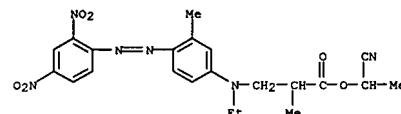
L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
CN Propanoic acid, 3-[(4-[(2,6-dichloro-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-51-2 CAPLUS
CN Propanoic acid, 3-[(4-[(2-bromo-4,6-dinitrophenyl)azo]-3-methylphenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



RN 850547-52-3 CAPLUS
CN Propanoic acid, 3-[(4-[(2,4-dinitrophenyl)azo]-3-methylphenyl)ethylamino]-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

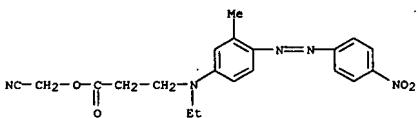


IT 850545-31-2P, 4-(4-Nitrophenylazo)-3-methyl-N-ethyl-N-(2-cyanomethoxy carbonylethyl)aniline 850547-22-7P,
4-(2-Chloro-4-nitrophenylazo)-N-ethyl-N-(2-cyanomethoxy carbonylpropyl)aniline 850547-53-4P, 4-(2-Cyano-4-nitrophenylazo)-N-ethyl-N-(1-cyanomethoxy carbonylethyl)-m-toluidine
RL: IMP (Industrial manufacture); TEP (Technical or engineered material use); PREP (Preparation); USES (Uses)
(red dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)

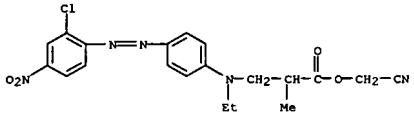
RN 850545-31-2 CAPLUS
CN β -Alanine, N-ethyl-N-[3-methyl-4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)

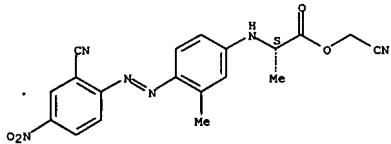


RN 850547-22-7 CAPLUS
 CN Propanoic acid, 3-[(4-[(2-chloro-4-nitrophenyl)azo]phenyl)ethylamino]-2-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



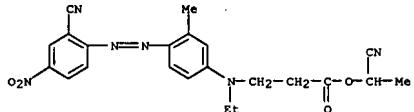
RN 850547-53-4 CAPLUS
 CN L-Alanine, N-[4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



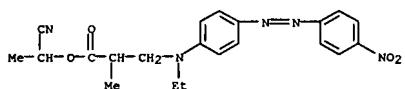
IT 850546-10-0P, 4-(6-Nitrobenzothiazol-yl-azo)-3-methyl-N-ethyl-N-(2-cyanomethoxy carbonyl ethyl)aniline 850546-69-9P, 4-(2-Chloro-4-nitrophenylazo)-3-acetyl amine-N-ethyl-N-(2-cyanomethoxy carbonyl ethyl)aniline 850546-86-0P, 4-(2-Cyano-4-nitrophenylazo)-3-methyl-N-ethyl-N-(4-cyanomethoxy carbonyl butyl)aniline 850546-97-3P, 4-(2-Cyano-4-nitrophenylazo)-3-methyl-N-ethyl-N-(2-(1-cyanoethoxy)carbonyl ethyl)aniline
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



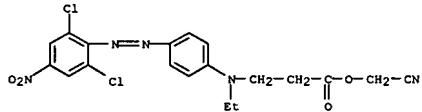
IT 850547-41-0P, 4-(4-Nitrophenylazo)-N-ethyl-N-(2-(1-cyanoethoxy)carbonyl propyl)aniline
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (scarlet dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)

RN 850547-41-0 CAPLUS
 CN Propanoic acid, 3-[(ethyl[4-[(4-nitrophenyl)azo]phenyl]amino)-2-methyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)



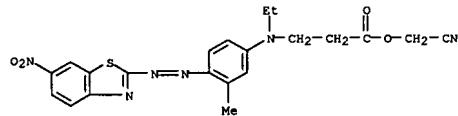
IT 850545-95-8P, 4-(2,6-Dichloro-4-nitrophenylazo)-N-ethyl-N-(2-cyanomethoxy carbonyl ethyl)aniline
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (yellow brown dye; preparation of disperse azo dyestuffs for dyeing polyester fabrics)

RN 850545-95-8 CAPLUS
 CN β -Alanine, N-[4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

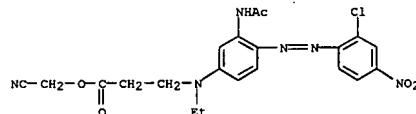


L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 (rubine dye; prepn. of disperse azo dyestuffs for dyeing polyester fabrics)

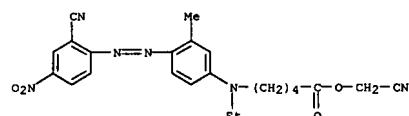
RN 850546-10-0 CAPLUS
 CN β -Alanine, N-[3-methyl-4-((6-nitro-2-benzothiazolyl)azo)phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-69-9 CAPLUS
 CN β -Alanine, N-[3-(acetyl amino)-4-((2-chloro-4-nitrophenyl)azo)phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-86-0 CAPLUS
 CN Pentanoic acid, 5-[(4-[(2-cyano-4-nitrophenyl)azo]-3-methylphenyl)ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 850546-97-3 CAPLUS
 CN β -Alanine, N-[4-((2-cyano-4-nitrophenyl)azo)-3-methylphenyl]-N-ethyl-, 1-cyanoethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:31718 CAPLUS

DOCUMENT NUMBER: 132:51147

TITLE: Ink-jet inks and dyes based on 5-[(substituted aminoaryl)azo]-4-cyanoisothiazole derivatives

INVENTOR(S): Bradbury, Roy; Moscrop, Clive; Meyrick, Barry Huston; Holbrook, Mark

PATENT ASSIGNEE(S): Zeneca Limited, UK; ZSC Specialty Chemicals UK Limited; Aevia Limited

SOURCE: Brit. UK Pat. Appl., 31 pp., 31 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

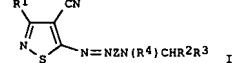
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2335924	A	19991006	GB 1999-5746	19990312
GB 2335924	B	20030903		
US 6187084	B1	20010213	US 1999-277378	19990329

PRIORITY APPLN. INFO.: GB 1998-6810 A 19980331

OTHER SOURCE(S): MARPAT 132:51147

GRAPHIC IMAGE:



ABSTRACT:

The azo dyes I ($R_1 = H$, other substituent; $R_2, R_3 = \text{optionally substituted alkyl, aryl, aralkyl, or } R_2R_3 \text{ together may form an optionally substituted ring}; R_4 = H, \text{optionally substituted alkyl, aryl, aralkyl; } Z = \text{optionally substituted arylene})$ are obtained for use with aqueous jet-printing inks also containing a water-dissipatable polymer. The inks form sharp, fast-drying, wet-fast images and do not clog the printer. In an example, 5-amino-4-cyano-3-methylisothiazole-N-(2-(ethoxycarbonyl)-1-methylethyl)-N-ethylaniline ($\lambda_{\max} 532 \text{ nm}$) was prepared and used in an ink.

IT 252899-37-9P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (dye; production of isothiazole azo dyes for aqueous jet printing

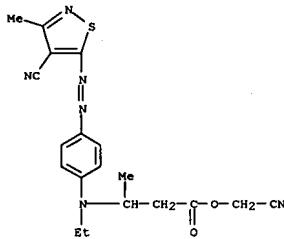
inks)

RN 252899-37-9 CAPLUS

CN Butanoic acid, 3-[(4-cyano-3-methyl-5-isothiazolyl)azo]phenyl]ethylami-no-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)



L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999-640937 CAPLUS

DOCUMENT NUMBER: 131:273146

TITLE: 1,3,4-Thiadiazole azo dyes and ink compositions

containing them

INVENTOR(S): Shawcross, Andrew Paul; Bradbury, Roy; Meyrick, Barry

Huston; Holbrook, Mark

PATENT ASSIGNEE(S): Avesia Ltd., UK

SOURCE: PCT Int. Appl., 36 pp.

CODEN: PIXXD2

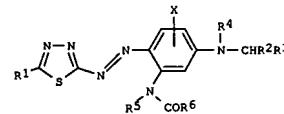
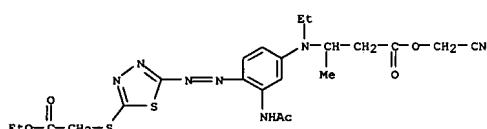
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9950357	A1	19991007	WO 1999-GB772	19990315
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DV, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GR, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9928460	A	19991018	AU 1999-28460	19990315
EP 1066341	A1	20010110	EP 1999-909090	19990315
EP 1066341	B1	20030618		
R: CH, DE, FR, GB, LI				
US 6461416	B1	20021008	US 2000-647463	20000929
PRIORITY APPLN. INFO.:			GB 1998-6809	A 19980331
			GB 1998-6812	A 19980331
			WO 1999-GB772	W 19990315

OTHER SOURCE(S): MARPAT 131:273146
GRAPHIC IMAGE:ABSTRACT:
Azo dyes (I; R1 = H or a substituent; R2, R3 = optionally substituted alkyl,L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
aryl, aralkyl, or R2R3 form an optionally substituted ring; R4 = H, optionally substituted alkyl, aryl or aralkyl; R5, R6 = optionally substituted alkyl, aryl, aralkyl) are incorporated into jet printing ink compns. The compns. contain such I, water, and a water-dissipatable polymer such as a polyester; the compns. do not clog jet printing nozzles and provide sharp images. Examples of the synthesis of I (R1 = ethoxycarbonylmethylthio; R2 = R6 = Me; R3 = Et; R4 = Bu; R5 = X = H) as the dye and adipic acid-diethylene glycol-isophthalic acid-neopentyl glycol-5-(sodiosulfo)isophthalic acid copolymer as the polyester are given.IT 245405-70-3P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(dyes; thiadiazole azo dyes for jet ink printing compns.)RN 245405-70-3 CAPLUS
CN Butanoic acid,
3-[{3-(acetylamino)-4-[(5-[(2-ethoxy-2-oxoethyl)thio]-1,3,4-thiadiazol-2-yl)azo]phenyl}ethylamino]-, cyanomethyl ester (9CI) (CA INDEX NAME)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995-973502 CAPLUS

DOCUMENT NUMBER: 123:343359

TITLE: Monoazo dyes containing a fluorosulfonyl group and their use

INVENTOR(S): Hall, Nigel

PATENT ASSIGNEE(S): Zeneca Ltd., UK

SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

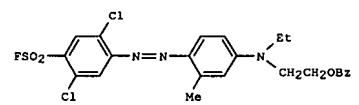
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9520014	A1	19950727	WO 1994-GB2831	19941230
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
IN 190551	A1	20030809	IN 1994-DE1700	19941228
CA 2180448	A1	19950727	CA 1994-2180448	19941230
AU 9513232	A	19950808	AU 1995-13232	19941230
EP 740690	A1	19961106	EP 1995-904633	19941230
EP 740690	B1	20010620		
R: DE, ES, GB, NL				
JP 09507693	T	19970805	JP 1995-519393	19941230
JP 3919214	B2	20070523		
ZA 9500311	A	19951120	ZA 1995-311	19950116
US 5739299	A	19980414	US 1996-676234	19960715
IN 2002DE00935	A	20050121	IN 2002-DE935	20020916
IN 2002DE00936	A	20050121	IN 2002-DE936	20020916
JP 200605251	A	20060223	JP 2005-240356	20050822
PRIORITY APPLN. INFO.:			GB 1994-972	A 19940119
			GB 1994-4021	A 19940302
			GB 1994-21861	A 19941031
			IN 1994-DE1700	A3 19941228
			JP 1995-519393	A3 19941230
			WO 1994-GB2831	W 19941230

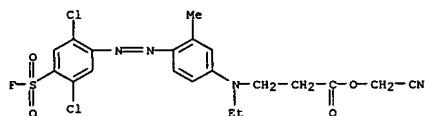
OTHER SOURCE(S): MARPAT 123:343359
GRAPHIC IMAGE:

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

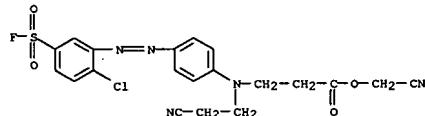
ABSTRACT:
 Disperse monoazo dyes AN:ND, where A and D are optionally substituted heterocyclic or carbocyclic groups and A and/or D carries directly ≥ 1 SO₂F group or carries a substituent to which ≥ 1 SO₂F group is attached, except for certain specified dyes previously known, were prepared and are used for coloring synthetic fiber textiles and for bulk dyeing of plastics. The presence of one or more SO₂F groups in a dye mol. generally improves the properties of that dye and confers good wettability and lightfastness properties. Thus, 2,5-Cl₂C₆H₃NH₂ was chlorosulfonated with ClSO₃H, DMF, and SOCl₂, and the sulfonyl chloride product was converted with KF to the sulfonyl fluoride, which was diazotized and coupled with 3-MeC₆H₄NETCH₂CH₂O₂Bz to give I, bluish red on polyester fibers.

IT 171244-59-0P 171245-07-7P 171246-07-4P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (dye for polyester fibers)

RN 171244-59-0 CAPLUS

CN β -Alanine, N-[4-([2,5-dichloro-4-(fluorosulfonyl)phenyl]azo)-3-methylphenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

RN 171245-87-7 CAPLUS
 CN β -Alanine, N-[4-([2-chloro-5-(fluorosulfonyl)phenyl]azo)phenyl]-N-(2-cyanoethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 171246-07-4 CAPLUS
 CN β -Alanine, N-[4-([4-chloro-3-(fluorosulfonyl)phenyl]azo)phenyl]-N-(2-cyanoethyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1985:26342 CAPLUS

DOCUMENT NUMBER: 102:26342

TITLE: Synthesis and use of new, fiber-reactive dyes suitable for transfer-printing nylon

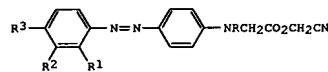
AUTHOR(S): Borovas, Demetrios V.

CORPORATE SOURCE: Res. Dev. Dep., VIOCHROM S. A., Athens, Greece
Chimika Chronika (1983), 12(3), 155-60

SOURCE: CODEN: CMCRZ; ISSN: 0366-693X

DOCUMENT TYPE: Journal
LANGUAGE: English

GRAPHIC IMAGE:



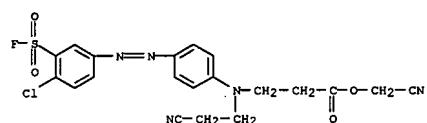
ABSTRACT:
 Yellow to red I (R = CH₂CH₂CN, Me; R₁, R₂ = H, Cl; R₃ = Cl, NO₂) and blue II (R₄ = H, Me) were synthesized and tested as reactive dyes for transfer printing on nylon 66. Bright shades were obtained when printing paper impregnated with the dyes was pressed on nylon for 45 s at 200°, but an addnl. dry-heat fixing step for 52 min at 180° was required to cause the dyes to react with the substrate. The dyes colored but did not react with acrylic or polyester substrates.

IT 94194-65-7P 94194-66-8P 94194-67-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and transfer printing properties of, as reactive dye on nylon)

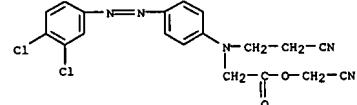
RN 94194-65-7 CAPLUS

CN Glycine, N-(2-cyanoethyl)-N-(4-((3,4-dichlorophenyl)azo)phenyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)

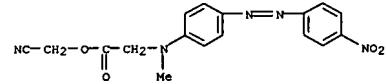
L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



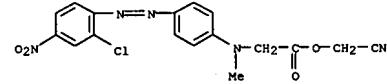
L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 94194-66-8 CAPLUS
 CN Glycine, N-methyl-N-(4-((4-nitrophenyl)azo)phenyl)-, cyanomethyl ester (9CI) (CA INDEX NAME)



RN 94194-67-9 CAPLUS
 CN Glycine, N-[4-((2-chloro-4-nitrophenyl)azo)phenyl]-N-methyl-, cyanomethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1980:60263 CAPLUS

DOCUMENT NUMBER: 92:60263

TITLE: Process for preparing fast dyeings and prints on
cellulosic fiber materials and mixtures thereof with
synthetic fibers

INVENTOR(S): Reinhardt, Friedrich

PATENT ASSIGNEE(S): Hoechst A.-G., Fed. Rep. Ger.

SOURCE: Brit. U.S. Pat. Appl., 6 pp.

DOCUMENT TYPE: Patent

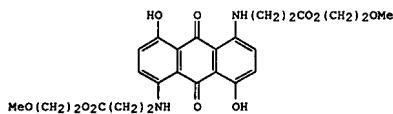
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2011483	A	19790711	GB 1978-49875	19781222
GB 2011483	B	19820818		
DE 2811167	A1	19790920	DE 1978-2811167	19780315
DE 2811167	C2	19851010		
FR 2413497	A1	19790727	FR 1978-36467	19781227
FR 2413497	B1	19830211		
JP 54096186	A	19790730	JP 1978-160222	19781227
US 4224026	A	19800923	US 1978-973603	19781227
PRIORITY APPLN. INFO.:		DE 1977-2758579		A 19771229
		DE 1978-2811167		A 19780315

GRAPHIC IMAGE:



ABSTRACT:

The title process involves contacting the textiles with an aqueous composition containing a disperse dye containing ≥ 1 carboxylate group and fixing the color by steaming and/or dry heat in the presence of a composition containing ≥ 1 aliphatic OH and/or NH₂ group. Thus, a dispersion of 80 g disperse dye (I) [68479-79-8] in 10 g 32.5% aqueous NaOH and 150 g water was added to 5% aqueous locust bean flour carboxymethyl ether 50, HOCH₂(CH₂CHOH)₂Me [7327-66-4] 50, di-Et tartrate 120, and water 90 g and the paste was printed onto cotton fabric, treated 8 min at 170° with superheated steam, rinsed, treated 10 min at 95° with 1 g/L nonylphenol polyglycol ether, rinsed, and dried giving a fast blue print.

L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1974:493024 CAPLUS

DOCUMENT NUMBER: 81:53024

TITLE: Disperse monoazo dyes

INVENTOR(S): Costello, Alan T.; Smith, Peter

PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.

SOURCE: Brit., 5 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

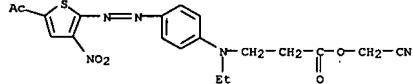
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1351381	A	19740424	GB 1971-1216	19710111
BE 777733	A1	19720705	BE 1972-112581	19720105
CH 567547	A5	19751015	CH 1972-191	19720106
FR 2121705	A5	19720825	FR 1972-627	19720110
FR 2121705	B1	19760723		
DE 2201112	A	19720803	DE 1972-2201112	19720111
DE 2201112	C2	19820923		
JP 55022515	B	19800617	JP 1972-5487	19720111
PRIORITY APPLN. INFO.:		GB 1971-1216		A 19710111

ABSTRACT:

2-Amino-3-nitro-k-acetylthiophene (1009-57-0) was diazo coupled with N-ethyl-N-[β -[(cyanomethoxy)carbonyl]ethyl]aniline [41314-02-7] to give azo dye (I) [41314-03-8], fast blue on aromatic polyester textiles.

IT 41314-03-8P
RL: IMP (Industrial manufacture); PREP (Preparation)
(preparation of)

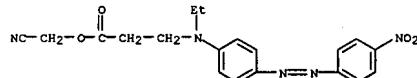
RN 41314-03-8 CAPLUS

CN β -Alanine, N-[4-(5-acetyl-3-nitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

IT 72595-16-5
RL: USBS (Uses)

(dye, fixing of, to cellulosic textiles, by hexanetriol)

RN 72595-16-5 CAPLUS
CN β -Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1973:45029 CAPLUS

DOCUMENT NUMBER: 78:45029

TITLE: Disperse azo dyes

INVENTOR(S): Costello, Alan Thomas; Smith, Peter

PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.

SOURCE: Ger. Offen., 13 pp.

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2201112	A	19720803	DE 1972-2201112	19720111
DE 2201112	C2	19820923		
GB 1351381	A	19740424	GB 1971-1216	19710111

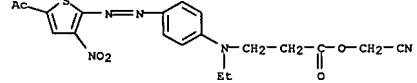
PRIORITY APPLN. INFO.:

ABSTRACT:
Two azo dyes [I, R = MeO, R₁ = NHAc, R₂ = CH₂CH₂OMe, R₃ = H (II); and R = R₁ = H, R₂ = CH₂CN, R₃ = Et], bluish green or blue, resp., on *k*polyester fibers*, were prepared. Thus, coupling diazotized 2-amino-3-nitro-5-acetylthiophene with 2,5-MeO(AcNH)C₆H₃NHC₂H₂CO₂CH₂CH₂OMe gave azo dye II [36985-60-1]. The other I was prepared similarly.

IT 41314-03-8P

RL: IMP (Industrial manufacture); PREP (Preparation)
(preparation of)

RN 41314-03-8 CAPLUS

CN β -Alanine, N-[4-(5-acetyl-3-nitro-2-thienyl)azo]phenyl]-N-ethyl-, cyanomethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1964:91431 CAPLUS

DOCUMENT NUMBER: 60:91431

ORIGINAL REFERENCE NO.: 60:16021a-c

TITLE: Azo dyes

INVENTOR(S): Fishwick, Brian R.; Wardleworth, James

PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.

SOURCE: 5 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3097198		19630709	US 1960-5378	19600129
GB 909843			GB	

PRIORITY APPLN. INFO.:

GRAPHIC IMAGE: For diagram(s), see printed CA Issue.

ABSTRACT:

Compsd. of the general formula I, where X is a benzene or benzothiazole nucleus, R is Et or CH₂CH₂OMe, and R' is a substituted alkyl group, are H₂O-insol. dyes for cellulose acetates and polyesters. Thus, 2.62 parts 4-O₂NC₆H₄NH₂ was diazotized and coupled with 4.411 parts PhNEtCH₂CH₂CO₂CH₂CN (II) to give I (X = 4-O₂NC₆H₄, R = Et, R' = CH₂CN), a red powder, which, dispersed by milling with NaO_{SCl}(OH)₆/2CH₂, dyed polyester fibers scarlet. Similarly, other I were prepared (X, R', R, and shade given): 4-O₂NC₆H₄, CH₂CO₂Et, Et, scarlet; 4-CI(O₂N)C₆H₃, CH₂CN, Et, red; 6-(methylsulfonyl)-2-benzothiazolyl, CH₂CO₂Et, Et, red; 2,4-F₃C(O₂N)C₆H₃, CH₂CN, Et, bluish red; 5-nitro-2-benzothiazolyl, CH₂CO₂Et, reddish blue; 4-O₂NC₆H₄, CH₂CH₂NH₂, Et, scarlet; II, b0.1 145-50%, was obtained by heating PhNEtCH₂CH₂CO₂H and ClCH₂CN in Et₃N for 1 hr. at 90-100°, extracting with AcOEt, clarifying, extracting with 10% aqueous NaHCO₃, drying over MgSO₄, evaporating the solvent, and distilling the residue. The other coupling components were obtained by similar methods.

IT 94308-22-2P, β -Alanine, N-[3-chloro-4-[(2-chloro-4-cyanophenyl)-azo]phenyl]-N-methyl-, ester with glycolonitrile
 95128-33-9P, β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)-N-(2-cyanoethyl)-, ester with glycolonitrile
 95318-56-2P, β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)-azolphenyl]-N-ethyl-, ester with glycolonitrile
 95365-62-1P, β -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)-azol-m-tolyl]-, ester with glycolonitrile

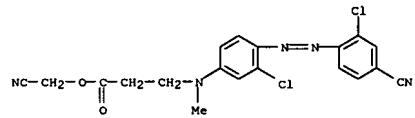
RL: PRP (Preparation)

RN 94308-22-2 CAPLUS

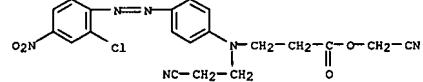
CN β -Alanine, N-[3-chloro-4-[(2-chloro-4-cyanophenyl)-azo]phenyl]-N-methyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)

L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

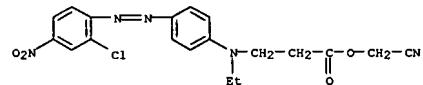
(Continued)



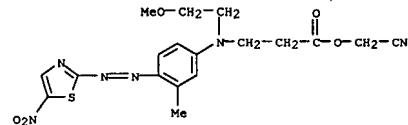
RN 95128-33-9 CAPLUS
 CN β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)-azolphenyl]-N-(2-cyanoethyl)-, ester with glycolonitrile (7CI) (CA INDEX NAME)



RN 95318-56-2 CAPLUS
 CN β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)-azolphenyl]-N-ethyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)



RN 95365-62-1 CAPLUS
 CN β -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)-azol]-m-tolyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)



L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

(Continued)

ACCESSION NUMBER: 1964:53170 CAPLUS

DOCUMENT NUMBER: 60:53170

ORIGINAL REFERENCE NO.: 60:9394-c-f

TITLE: Monoazo dyes containing ester groups

INVENTOR(S): Fishwick, Brian Ribbons; Wardleworth, James

PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.

SOURCE: 10 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Unavailable

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 909843		19621107	GB 1959-4687	19590210

PRIORITY APPLN. INFO.:

GRAPHIC IMAGE: For diagram(s), see printed CA Issue.

ABSTRACT:

Water-insol. compds. of the general structure I dye polyester fibers (II) orange to blue shades fast to light, washing, and dry heat. D is a mono- or bicyclic aromatic nucleus, and E and the nucleus E may be substituted with groups other than SO₃H and CO₂H. R is Et or CH₂CH₂OMe; A is CH₂ or CH₂H₂; and X is CN, CO₂Et, Ac, NH₂, or NHAc. Thus, a filtered solution containing diazotized p-O₂NC₆H₄NH₂ 2.62 added over 15 min. to a mixture of PhN(Et)CH₂CH₂CO₂CH₂CN (b0.1 145-50%) 4.41, H₂O 50, 10N HCl₃, and Me₂CO 50 parts, forms a clear solution at 5-10°; saturated NaOAc is added, the mixture stirred 30 min. and filtered. The precipitate is slurried in 300 parts H₂O, Na₂CO₃ added, the mixture filtered, and the product washed with water and dried, yielding 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CN]-4, a red powder, bright scarlet on II. Also prepared are (dye, appearance, shade on II): 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CN]-4, red powder, bright scarlet; 2,4-CI(O₂N)C₆H₃: 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CN]-4, red powder, red; 2-(4-(N-ethyl-N-[(carbethoxymethoxy)carbonyl]ethyl) amino) phenyl-azo]-6-(methylnaphthalene)-benzothiazole, --, bright red; 2,4-NC₆H₃: 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CN]-4, --, reddish violet; 2,4-F₃C(O₂N)C₆H₃: 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CN]-4, --, bluish red; 2-[2-methoxy-4-(N-(β -methoxyethyl)-N-[(cyanomethoxycarbonyl)ethyl]amino)phenylazo]-5-nitrothiazole, --, reddish blue; 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CH₂NHAc]-4, --, scarlet; and 4-O₂NC₆H₄[N(Et)CH₂CH₂CO₂CH₂CH₂NHAc]-4, --, scarlet.

IT 1959-20-2P, β -Alanine, N-ethyl-N-[p-[(α , α -trifluoro-4-nitro-o-tolyl)-azo]phenyl]-, ester with glycolonitrile95318-56-2P, β -Alanine, N-[p-[(2-chloro-4-

nitrophenyl)-azolphenyl]-N-ethyl-, ester with glycolonitrile

95365-62-1P, β -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-

thiazolyl)-azol-m-tolyl]-, ester with glycolonitrile

RL: PRP (Preparation)

RN 1959-20-2 CAPLUS

CN β -Alanine, N-ethyl-N-[p-[(α , α -trifluoro-4-nitro-o-tolyl)-azo]phenyl]-, ester with glycolonitrile (7CI, 8CI) (CA INDEX NAME)

RN 95318-56-2 CAPLUS
 CN β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)-azolphenyl]-N-ethyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)

RN 95365-62-1 CAPLUS
 CN β -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)-azol]-m-tolyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)

(Continued)

10/575,599

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L5          3 L3
=> d 1-3 all hitstr
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L5 ANSWER 1 OF 3 CAOLD COPYRIGHT 2007 ACS on STN

AN CA60:16021a CAOLD

TI azo dyes

AU Fishwick, Brian R.; Wardleworth, J.

DT Patent

TI dyes (azo)

PA Imperial Chemical Industries Ltd.

DT Patent

PATENT NO. KIND DATE

PI US 3097198 1963

GB 909843

IT 41314-02-7 72595-16-5 94308-22-2

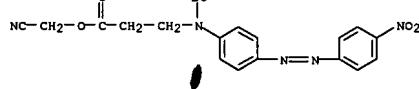
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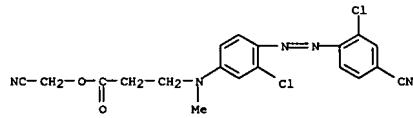
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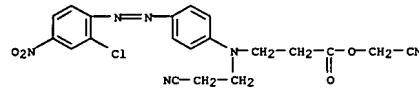
RN 72595-16-5 CAOLD

CN β -Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (7CI) (CA INDEX NAME)

RN 94308-22-2 CAOLD

CN β -Alanine, N-[3-chloro-4-[(2-chloro-4-cyanophenyl)azo]phenyl]-N-methyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)

RN 95128-33-9 CAOLD

CN β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-(2-cyanoethyl)-, ester with glycolonitrile (7CI) (CA INDEX NAME)

L5 ANSWER 2 OF 3 CAOLD COPYRIGHT 2007 ACS on STN

AN CA60:9394f CAOLD

TI dyes (thiadiazole mono- and disazo)

PA Bielecke Anilin- & Soda-Fabrik A.-G.

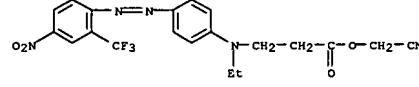
DT Patent

IT 1959-20-2 94328-84-4 94961-87-2 95365-62-1

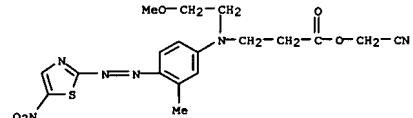
100086-78-0

IT 1959-20-2 95365-62-1

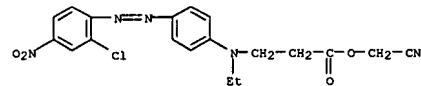
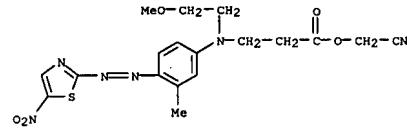
RN 1959-20-2 CAOLD

CN β -Alanine, N-ethyl-N-[p-[(a,a,a-trifluoro-4-nitro-o-tolyl)azo]phenyl]-, ester with glycolonitrile (7CI, 8CI) (CA INDEX NAME)

RN 95365-62-1 CAOLD

CN β -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-tolyl]-, ester with glycolonitrile (7CI) (CA INDEX NAME)

L5 ANSWER 1 OF 3 CAOLD COPYRIGHT 2007 ACS on STN (Continued)

RN 95318-56-2 CAOLD
CN β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)RN 95365-62-1 CAOLD
CN β -Alanine, N-(2-methoxyethyl)-N-[4-[(5-nitro-2-thiazolyl)azo]-m-tolyl]-, ester with glycolonitrile (7CI) (CA INDEX NAME)

L5 ANSWER 3 OF 3 CAOLD COPYRIGHT 2007 ACS on STN

AN CA60:9394d CAOLD

TI monoazo dyes containing ester groups

AU Fishwick, Brian R.; Wardleworth, J.

DT Patent

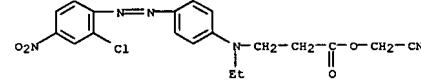
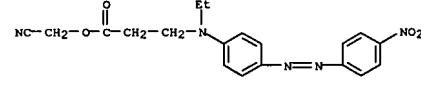
PATENT NO. KIND DATE

PI GB 909843

IT 95318-56-2 100001-77-2 103480-69-9 72595-16-5

IT 95318-56-2 72595-16-5

RN 95318-56-2 CAOLD

CN β -Alanine, N-[p-[(2-chloro-4-nitrophenyl)azo]phenyl]-N-ethyl-, ester with glycolonitrile (7CI) (CA INDEX NAME)RN 72595-16-5 CAOLD
CN β -Alanine, N-ethyl-N-[4-[(4-nitrophenyl)azo]phenyl]-, cyanomethyl ester (9CI) (CA INDEX NAME)

10/575,599

Page 25

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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

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They are available for your review at:

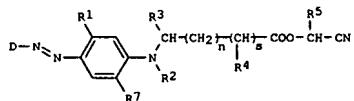
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L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2005:395399 CAPLUS
 DN 142:412927
 TI Disperse azo dyestuffs, a process for their preparation and their use
 IN Hall, Nigel
 PA Dystar Textilfarben G.m.b.H. & Co. Deutschland K.-G., Germany
 SO PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040283	A2	20050506	WO 2004-EPI1590	20041015
WO 2005040283	A3	20050630		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW A2: BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, C2, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BD, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
CA 2543056	A1	20050506	CA 2004-2543056	20041015
EP 1678259	A2	20060712	EP 2004-790444	20041015
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1871306	A	20061129	CN 2004-8003095	20041015
BR 2004015469	A	20061219	BR 2004-15469	20041015
JP 2007509214	T	20070412	JP 2006-536010	20041015
IN 2006KN00339	A	20070316	IN 2006-KN339	20060216
US 2007050928	A1	20070308	US 2006-575599	20060413

PRAI GB 2003-24584 A 20031021
 WO 2004-EPI1590 W 20041015
 OS CASREACT 142:412927; MARPAT 142:412927
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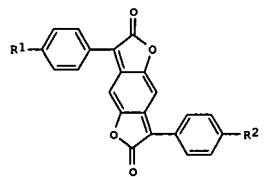


AB The present invention claims dyestuffs of formula (I), wherein D is substituted Ph, substituted benzothiazolyl, 5-nitro-2,1-benzisothiazolyl,

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2004:100282 CAPLUS
 DN 140:147645
 TI Non-azo disperse dye mixtures, their production and their use
 IN Brierley, David; Leaver, Alan T.; Hall, Nigel; Cunningham, Alan
 PA Dystar Textilfarben GmbH & Co. Deutschland KG, Germany
 SO U.S. Pat. Appl. Publ., 6 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004019983	A1	20040205	US 2003-627827	20030724
US 7118604	B2	20061010		
IN 2003W000312	A	20050204	IN 2003-K0312	20030604
EP 1394218	A1	20040303	EP 2003-16770	20030723
EP 1394218	B1	20060927		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CA 2436033	A1	20040129	CA 2003-2436033	20030728
JP 2004137461	A	20040513	JP 2003-202625	20030728
BR 2003002533	A	20040824	BR 2003-2533	20030728
KR 2004012521	A	20040211	KR 2003-52361	20030729
CN 1483765	A	20040324	CN 2003-133144	20030729

PRAI GB 2002-17487 A 20020729
 OS MARPAT 140:147645
 GI



AB The invention refers to dye mixts. comprising 1-amino-2-(4-fluorosulfonylphenoxyl)-4-hydroxyanthraquinone and one or more of I (R1,
 R2 = H, optionally substituted alkoxy or alkenyloxy), a method for the preparation of such mixts., and a method for coloring a synthetic textile material or fiber blend thereof using such mixts. The disperse dye mixts. provide improved fastness properties on polyester and its blends. In an example, a mixture containing the anthraquinone dye, I (R1 = H, R2 = OCH2CO2CH2CH2OEt), I (R1 = PrO, R2 = OCH2CO2CH2CH2OEt), and I (R1 = PrO, R2 = H) was applied for the exhaust dyeing of polyester to provide a bluish red shade.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 substituted thiophenyl, substituted 5-nitrothiazolyl; R1 is H, (C1-C4)-alkyl or -NCOR6, where R6 is (C1-C4)-alkyl or phenyl; R2 is unsubstituted (C1-C6)-alkyl, substituted (C1-C6)-alkyl, benzyl or phenylethyl; R3 is H or Me; R4 is H or Me; R5 is H, Me or Ph; R7 is H, Cl, methoxy or ethoxy; n is 0, 1 or 2; s is 0 or 1. Thus, 4-(4-nitrophenylazol)-3-methyl-N-ethyl-N-(2-cyanomethoxycarbonyl)aniline was synthesized and showed λ_{max} 486 nm and red shade with excellent wet and light fastness properties when applied to polyester fabrics.

(Continued)

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:542489 CAPLUS

DN 127:206930

TI Monoazo dyes containing a fluorosulfonyl group, their preparation and their use

IN Hall, Nigel

PA Zeneca Ltd., UK; Hall, Nigel

SO PCT Int. Appl., 11 pp.

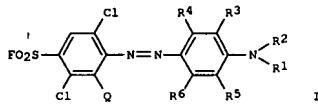
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9729155	A1	19970814	WO 1996-GB3094	19961216
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9711823	A	19970828	AU 1997-11823	19961216
EP 888405	A1	19990107	EP 1996-942454	19961216
EP 888405	B1	20000426		
R: CH, DE, GB, IT, LI, PT				
CN 1214065	A	19990414	CN 1996-180204	19961216
CN 1083864	B	20020501		
BR 9612491	A	19990720	BR 1996-12491	19961216
JP 2000505832	T	20000516	JP 1997-528251	19961216
PT 888405	T	20000831	PT 1996-942454	19961216
US 6048370	A	20000411	US 1998-125021	19980824
PRAI GB 1996-2741	A	19960210		
WO 1996-GB3094	W	19961216		
OS MARPAT 127:206930				
GI				



AB Disperse dyes I (Q = Br, Cl; R1, R2 = H, optionally substituted Cl-6-alkyl, aryl; R3, R4, R5, R6 = H, F, Cl, Br, I, SO2F, optionally substituted Cl-6alkyl, Cl-6-alkoxy, Cl-4-alkanoylamino, alkylsulfonamido, NHCOCl-4-alkyl, and OPh) are obtained by coupling diazotized 6-bromo-2,5-dichloro-4-(fluorosulfonyl)aniline (II) or 2,3,6-trichloro-4-(fluorosulfonyl)aniline with the appropriate aniline derivative. The dyes can be employed for the coloring of synthetic textile

L8 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1997:513667 CAPLUS

DN 127:177699

TI Disperse monoazo dyes containing a fluorosulfonyl group, their manufacture and use

IN Hall, Nigel

PA Zeneca Ltd., UK; Hall, Nigel

SO PCT Int. Appl., 9 pp.

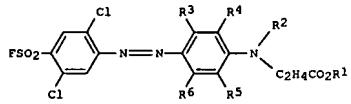
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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AU 9711822	A	19970820	AU 1997-11822	19961216
EP 876429	A1	19981111	EP 1996-942453	19961216
EP 876429	B1	20000503		
R: CH, DE, GB, IT, LI, PT				
CN 1209151	A	19990224	CN 1996-180121	19961216
CN 1084768	B	20020515		
JP 2000504046	T	20000404	JP 1997-526624	19961216
PT 876429	T	20000831	PT 1996-942453	19961216
BR 9612760	A	20010109	BR 1996-12760	19961216
US 5998592	A	19991207	US 1998-117034	19980817
PRAI GB 1996-1644	A	19960126		
GB 1996-7599	A	19960412		
WO 1996-GB3093	W	19961216		
OS MARPAT 127:177699				
GI				



AB The dyes have the structure I (R1 = C3H6CN, C2H4Cl, C3H6Cl, C2H4OAc, C2H4O2CCH2Cl; R2, R3 = C1-6 alkyl; R4-R6 = H, F, Cl, Br, I, SO2F, nonionic organic group). The dyes can be employed for the coloring of synthetic textile material. Thus, 4,2,5-H2NCH2Cl2SO2F was diazotized and coupled with 3-MeC6H4NET2CH2C6H2CO2(CH2)3CN to give I [R1 = (CH2)3CN, R2 = Et, R3 = Me, R4-R6 = H], λmax in CH2Cl2 515 nm, bluish red on polyester fibers with better fastness than the homolog with R1 = CH2CH2CN.

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
material. Thus, 2,5-dichloro-4-(fluorosulfonyl)aniline was brominated to give II which was diazotized and coupled with PhNET2 to provide a dye (λmax 452 nm), fast yellow brown on polyester.

L8 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1995:994513 CAPLUS

DN 124:32006

TI Process for coloring synthetic textile materials or plastics

IN Hall, Nigel

PA Zeneca Ltd., UK

SO PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9523890	A1	19950908	WO 1995-GB160	19950127
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CA 2181817	A1	19950908	CA 1995-2181817	19950127
AU 9514634	A	19950918	AU 1995-14634	19950127
EP 748411	A1	19961218	EP 1995-906440	19950127
EP 748411	B1	19981028		
R: DE, ES, GB, NL				
JP 09509702	T	19970930	JP 1995-522741	19950127
ZA 9500930	A	19951214	ZA 1995-930	19950206
US 5759212	A	19980602	US 1996-693290	19960815
TW 518357	B	20030121	TW 1997-86100561	19970120
IN 190717	A1	20030816	IN 1995-DE1	20030816
PRAI GB 1994-4020	A	19940302		
WO 1995-GB160	W	19950127		
OS MARPAT 124:32006				

AB To a synthetic textile material or fiber blend is applied a dye which is free from water-solubilizing groups and bears ≥1 SO2F group, provided that the dye is not an azo or anthraquinone dye. These dyes are also used for mass coloration of plastics.

L8 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1995:984407 CAPLUS
 DN 124:31988
 TI Disazo dyes containing a fluorosulfonyl group and their use in coloring
 textiles and plastics
 IN James, Mark Robert; Hall, Nigel
 PA Zeneca Ltd., UK
 SO PCT Int. Appl., 23 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

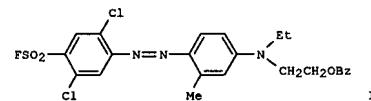
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CA	2180850	A1	19950824	CA 1995-2180850	19950124
AU	9514608	A	19950904	AU 1995-14608	19950124
EP	745153	A1	19961204	EP 1995-906408	19950124
EP	745153	B1	19980930		
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JP	3893150	B2	20070314		
IN	191001	A1	20030913	IN 1995-DE113	19950127
ZA	9500885	A	19960613	ZA 1995-885	19950203
US	5782934	A	19980721	US 1996-687611	19960808
PRAI	GB 1994-3133	A	19940218		
OS	W: 1995-GB127	W	19950124		

AB A synthetic textile material or fiber blend thereof is colored by applying a compound of formula A-N:D-N:N-E, where each of A, D, and E independently is an optionally substituted heterocyclic or carbocyclic group and ≥ 1 of A, D, and E carries directly ≥ 1 SO₂F group or carries a substituent to which ≥ 1 SO₂F group is attached. A process for the mass coloration of plastics comprises incorporating a compound of the formula above or a mixture thereof, which is free from water-solubilizing groups.

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 SO₂F group is attached, except for certain specified dyes previously known, were prepnd. and are used for coloring synthetic fiber textiles and for bulk dyeing of plastics. The presence of one or more SO₂F groups in a dye mol. generally improves the properties of that dye and confers good wetfastness and lightfastness properties. Thus, 2,5-C12C6H3NHO was chlorosulfonated with ClSO₃H, DMF, and SOCl₂, and the sulfonyl chloride product was converted with KF to the sulfonyl fluoride, which was diazotized and coupled with 3-MeC6H4N₂CH2CH2OBz to give I, bluish red on polyester fibers.

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1995:973502 CAPLUS
 DN 123:343359
 TI Monoazo dyes containing a fluorosulfonyl group and their use
 IN Hall, Nigel
 PA Zeneca Ltd., UK
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CA	2180448	A1	19950727	CA 1994-2180448	19941230
AU	9513232	A	19950808	AU 1995-13232	19941230
EP	740690	A1	19961106	EP 1995-904633	19941230
EP	740690	B1	20010620		
R:	DE, ES, GB, NL				
JP	09507693	T	19970805	JP 1995-519393	19941230
JP	3919214	B2	20070523		
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IN	1994-DE1700	A3	19941228		
JP	1995-519393	A3	19941230		
WO	1994-GB2831	W	19941230		
OS	MARPAT 123:343359				
GI					

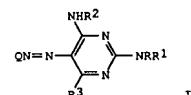


AB Disperse monoazo dyes AN:ND, where A and D are optionally substituted heterocyclic or carbocyclic groups and A and/or D carries directly ≥ 1 SO₂F group or carries a substituent to which ≥ 1

L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1984:35841 CAPLUS
 DN 100:35841

TI Dispersed azo dyes
 IN Parton, Brian; Hall, Nigel
 PA Imperial Chemical Industries PLC, UK
 SO Bkt. UK Pat. Appl., 8 pp.
 CODEN: BAXXDU
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2116195	A	19830921	GB 1982-33025	19821119
PRAI	GB 1982-6316	A	19820304		
OS	MARPAT 100:35841				
GI					



AB Golden yellow to red dyes (I) for polyester fibers are prepared, where Q = radical of a diazotizable amine QNH2; R = H or optionally substituted hydrocarbyl; R1 and R2 = H, optionally substituted hydrocarbyl or acyl; and R3 = H, NHR4, SR5, OR6, halogen, or optionally substituted hydrocarbyl (R4, R5, R6 = H, optionally substituted hydrocarbyl). Thus, diazotization of 4-nitroaniline [100-01-6] and coupling with 4-(acetylamino)-6-chloro-2-(diethylamino)pyrimidine [88380-63-6] gave I (R = R1 = Et, R2 = Ac, R3 = Cl, Q = 4-O2NC6H4) [88380-62-5], a golden yellow dye. Ten other I were similarly prepared

L8 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1984:23554 CAPLUS

DN 100:23554

TI Coloration of hydrophobic fibers

IN Parton, Brian; Hall, Nigel; Leng, John Lindley; Harvey, Edwin Dennis; Quayle, Arthur

PA Imperial Chemical Industries PLC, UK

SO Brit. UK Pat. Appl., 7 pp.

CODEN: BAXXDU

DT Patent

LA English

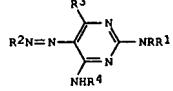
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB 2115016	A	19830901	GB 1982-33024	19821119

PRAI GB 1982-4570

OS MARPAT 100:23554

GI



I

AB Hydrophobic fibers, particularly aromatic polyester fibers, were dyed by applying disperse dyes I (R, R₁, R₄ are independently H or optionally substituted hydrocarbyl or R and R₁ together with N represents a heterocyclic ring; R₂ = radical of a diazotizable amine; R₃ = halogen) and heating to effect fixation. Thus, 1.73 parts 2-chloro-4-nitroaniline [121-87-9] was suspended in 12 parts 2N HCl and 20 parts water at 0-5° and diazotized by 1.2 parts 5N aqueous NaNO₂ and added to a solution consisting of 4-chloro-2-N,N-diethylamino-6-(2-hydroxyethylamino)pyrimidine [88290-69-1] 2.45, acetone 15, and water 50 parts at 0-5°. The mixture was treated with NaOAc to adjust the pH to 4 and stirred 18 h to give a precipitated dye [88290-42-0] with λ_{max} (CHCl₃) 449 nm and ε_{max} 38,300. When applied to an aromatic polyester textile from an aqueous dispersion a bright orange dyeing was obtained with excellent fastness to washing, light, and changes in pH.

L8 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1984:23553 CAPLUS

DN 100:23553

TI Disperse dyeing of hydrophobic textiles

IN Parton, Brian; Hall, Nigel; Leng, John Lindley; Harvey, Edwin Dennis; Quayle, Arthur

PA Imperial Chemical Industries PLC, UK

SO Brit. UK Pat. Appl., 10 pp.

CODEN: BAXXDU

DT Patent

LA English

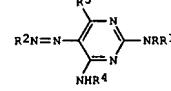
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI GB 2115445	A	19830907	GB 1982-33023	19821119

PRAI GB 1982-4571

OS MARPAT 100:23553

GI



I

AB Disperse dyes I (R and R₁ are optionally substituted hydrocarbyl or together with N represent a heterocyclic ring; R₂ = radical of a diazotizable amine; R₃ = NHR₆, SR₅; R₄, R₅, R₆ = H, optionally substituted hydrocarbyl) were prepared and used to dye hydrophobic fibers, particularly polyester fibers. Thus, 2-chloro-4-nitroaniline [121-87-9] (1.73 g) suspended in 10 g 2N HCl and 35 g water at 0-5° was diazotized by 1.2 g 5N aqueous NaNO₂ and added to a solution containing 2-N,N-diethylamino-4,6-bis(2-hydroxyethylamino)pyrimidine [88291-13-8] 2.9, acetone 20, and water 50 g at 0-5°. The pH as a mixture was adjusted to 4 by addition of NaOAc. The mixture was stirred 10 h at 0-5°. The precipitated dye [88290-70-4] was collected, dried, and crystallized from BuOH to give a product with λ_{max} (CHCl₃) 500 nm, ε_{max} 45,800, and gave a bright scarlet shade to aromatic polyester textiles, which had excellent fastness to washing, light, and pH changes.

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L2 11 SEA SSS SAM L1
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D 1-3 ALL HITSTR

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"HALL NIGEL P"/AU OR "HALL NIGEL R"/AU)
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